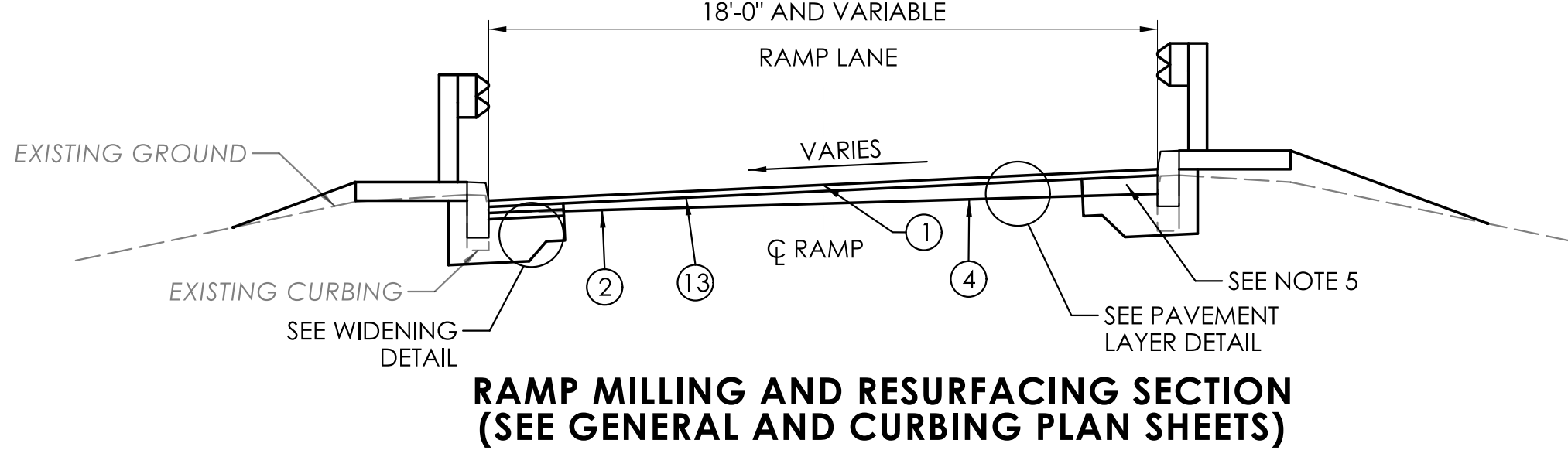
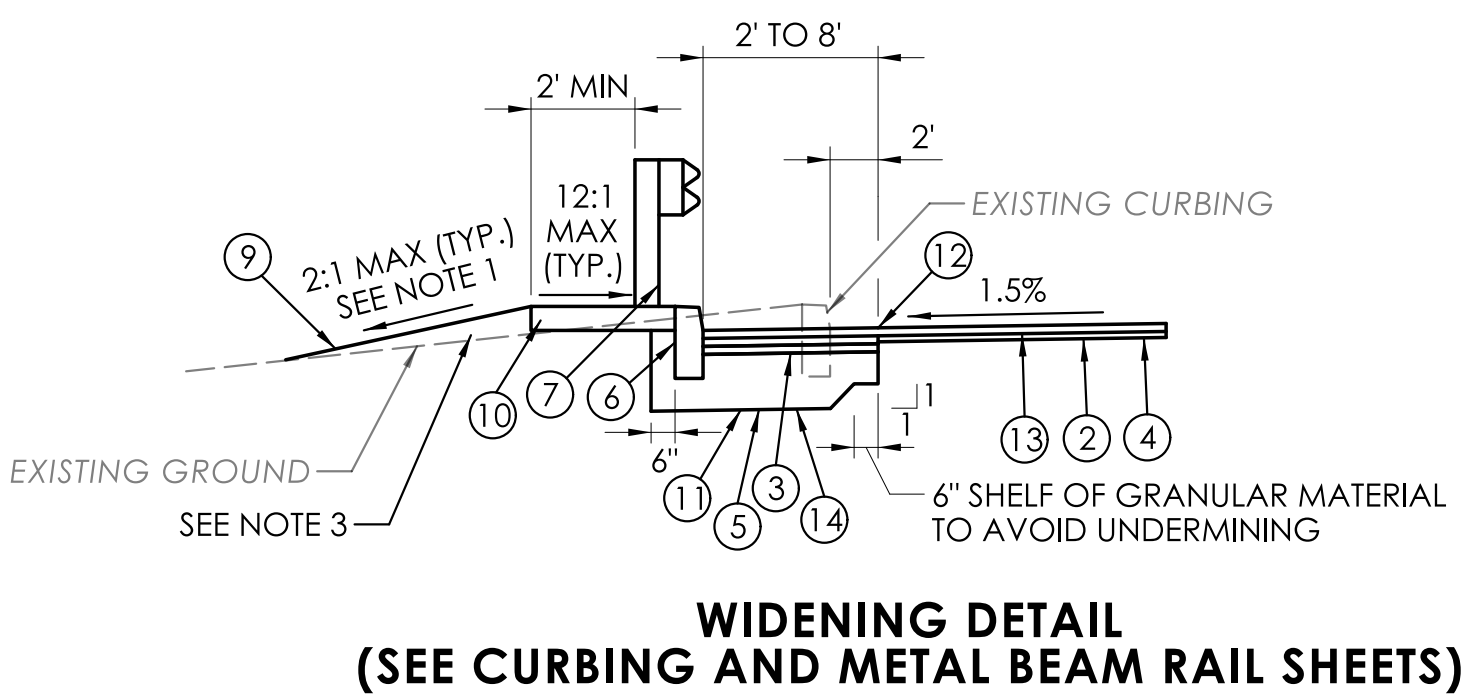
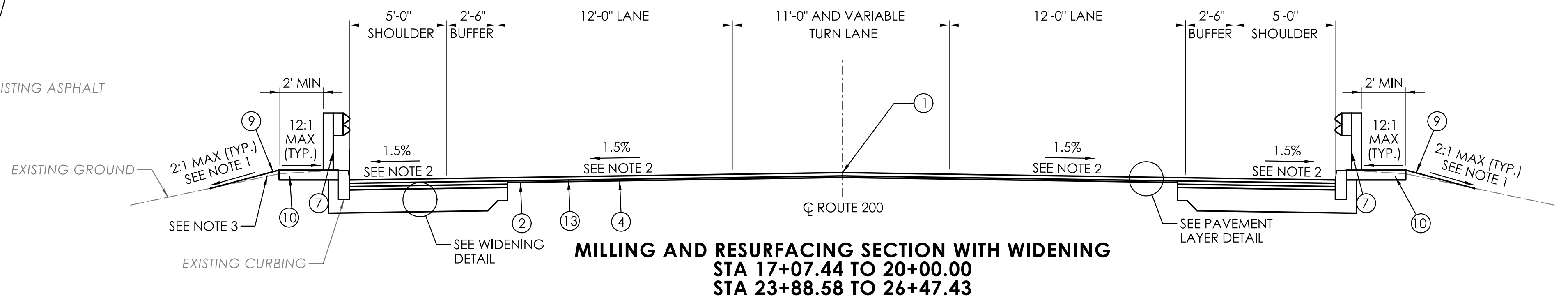
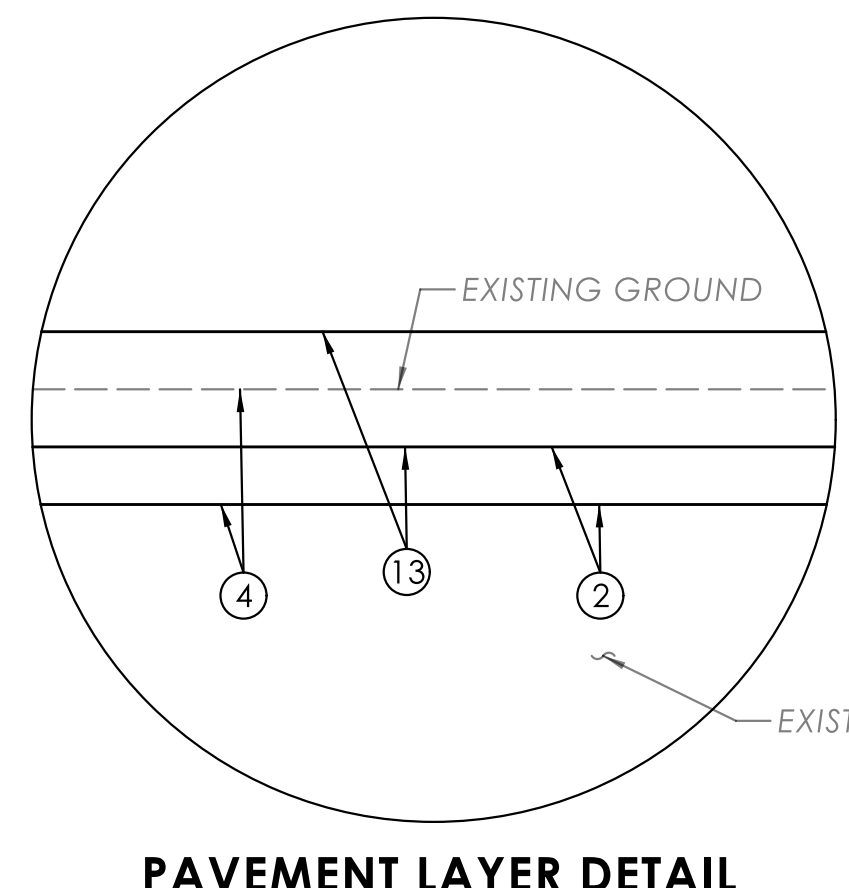


- LEGEND:**
- ① POINT OF APPLICATION OF GRADE (T.G.L.)
  - ② 1" TO 10" AND VARIABLE HMA S0.25 TRAFFIC LEVEL 2 (PLACED IN 2" MAX LIFTS) (SEE NOTE 6)
  - ③ 6" HMA S0.5 TRAFFIC LEVEL 2 (PLACED IN 3 EQUAL LIFTS)
  - ④ 2" - FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")
  - ⑤ 14" PROCESSED AGGREGATE BASE
  - ⑥ CONCRETE CURBING
  - ⑦ METAL BEAM RAIL (TYPE R-B MASH), SEE PLANS FOR LOCATIONS
  - ⑧ THRIE BEAM ATTACHMENT OR MBR, SEE PLANS FOR LOCATIONS
  - ⑨ 4" FURNISHING AND PLACING TOPSOIL, TURF ESTABLISHMENT, 2:1 MAX SLOPE
  - ⑩ 6" PROCESSED AGGREGATE
  - ⑪ FORMATION OF SUBGRADE
  - ⑫ CUT BITUMINOUS CONCRETE PAVEMENT
  - ⑬ 2" HMA S0.5 TRAFFIC LEVEL 2 (PLACED IN A SINGLE LIFT)
  - ⑭ EARTH EXCAVATION



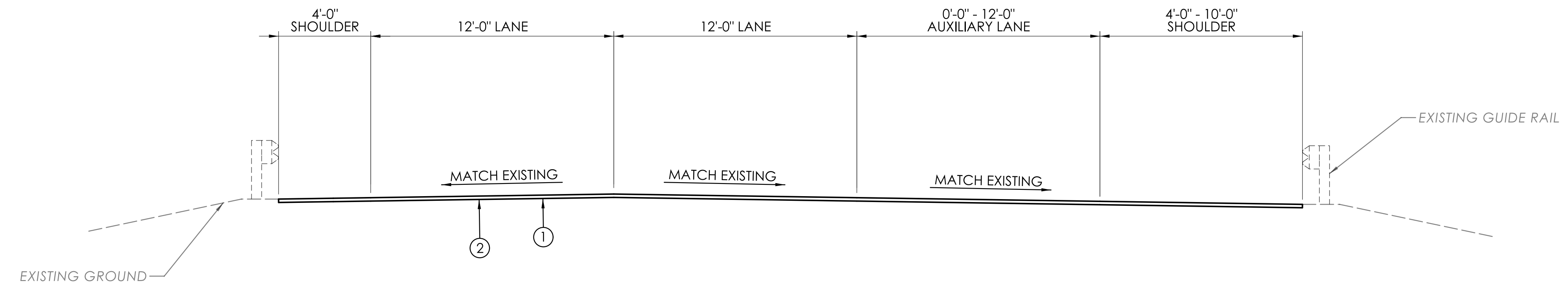
- NOTES:**
1. PROPOSED GROUND SHALL NOT EXCEED A MAX SLOPE OF 2:1. IF THE SLOPE IS GREATER THAN 3:1 EROSION CONTROL MATTING TYPE D SHALL BE USED.
  2. CROSS SLOPES ARE TYPICALLY 1.5% WITH VARIATIONS AS YOU APPROACH EXISTING. SEE CURB PLAN SHEET FOR CROSS SLOPES. A COMBINATION OF MILL AND RESURFACING WILL BE REQUIRED TO CORRECT SLOPE AND MATCH EXISTING. CONTRACTOR SHALL PROVIDE A MILLING AND WEDGE COURSE PLAN, DEPTH OF MILL, TYPE OF ASPHALT, THICKNESS OF TRUING AND LEVELING, AND LIFT THICKNESS TO THE ENGINEER FOR APPROVAL BY CTDOT.
  3. PAYMENT FOR EMBANKMENT OUTSIDE OF THE ROADWAY SECTION SHALL BE PAID UNDER "EARTH EXCAVATION".
  4. WITHIN THE LIMITS OF THE INTEGRATED APPROACH, EARTH EXCAVATION AND 14" PROCESSED AGGREGATE BASE ARE INCLUDED IN THE INTEGRATED APPROACH. (SEE SB-03)
  5. THICKNESS OF THE ASPHALT IN THE WIDENING IS TO MATCH THE THICKNESS OF THE ASPHALT IN THE RESURFACED AREA.
  6. WHEN THE THICKNESS OF THE VARIABLE ASPHALT WEDGE LAYER EXCEEDS 4", THE CONTRACTOR IS TO USE HMA S1.0 TRAFFIC LEVEL 2 PLACED IN LIFTS NO GREATER THAN 4" IN THICKNESS.

REV.	DATE	REVISION DESCRIPTION

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			REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395	TOWN OF THOMPSON	TYPICAL SECTION - 01	0141-0158	TYP-01
DESIGNER/DRAFTER: MDK CHECKED BY: FHB	LASTED SAVED BY: KOM108128 PLOTTED DATE: 3/25/2026	FILE NAME: c:\users\kom108128\appdata\local\projectwise\workdir\mott-use-pw-20\d0162230\HW_C8_0141_0158_TypXSec.DGN					SHEET NO.: 03.02

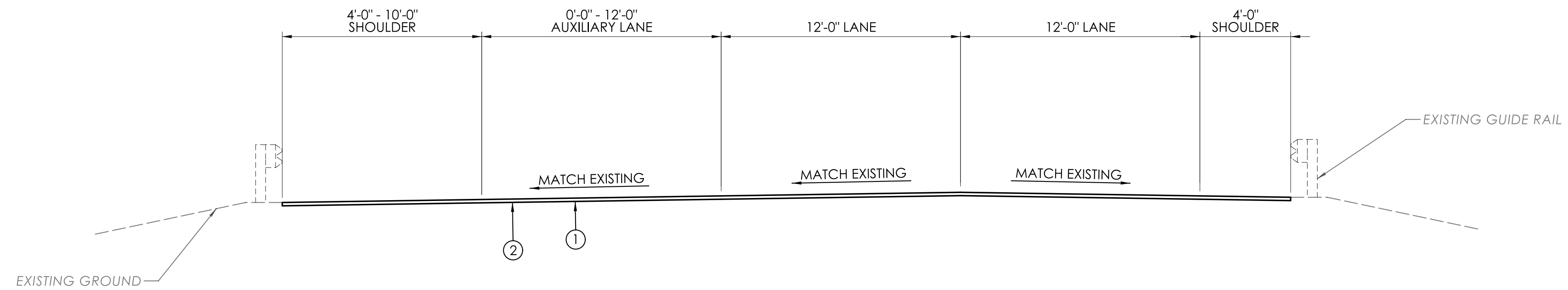
**LEGEND:**

- ① 2" FINE MILLING OF BITUMINOUS CONCRETE (0" TO 4")
- ② 2" PMA S0.5 TRAFFIC LEVEL 3 (PLACED IN A SINGLE LIFT)



**I-395 NB MILLING AND RESURFACING SECTION**

EXTENDING APPROXIMATELY 680' NORTH & 1700' SOUTH OF THOMPSON HILL ROAD BRIDGE FASCIAS  
SEE NOTE 1 FOR FURTHER DETAILS




**I-395 SB MILLING AND RESURFACING SECTION**

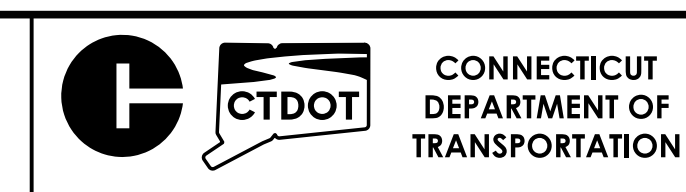
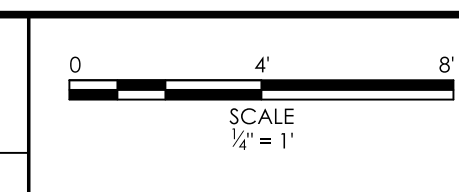
EXTENDING APPROXIMATELY 795' NORTH & 640' SOUTH OF THOMPSON HILL ROAD BRIDGE FASCIAS  
SEE NOTE 1 FOR FURTHER DETAILS

**NOTES:**

1. REFER TO MAINTENANCE & PROTECTION OF TRAFFIC - PATTERN 2 PLANS (MPT-08 - MPT-11) FOR DETAILS REGARDING THE LIMITS OF MILLING AND RESURFACING.
2. CONTRACTOR SHALL INVENTORY THE EXISTING STRIPING AND PLACE EPOXY STRIPES OF EQUAL WIDTH AND PATTERN AFTER MILLING AND RESURFACING.

REV.	DATE	REVISION DESCRIPTION

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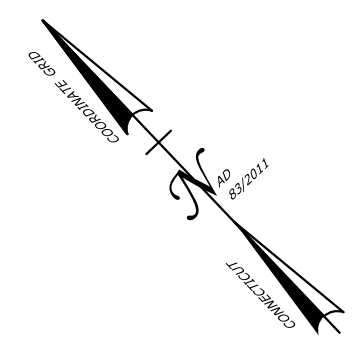
PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**TYPICAL SECTION - 02**

PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
**TYP-02**  
 SHEET NO.:  
 03.03



# BRIDGE NO. 03474

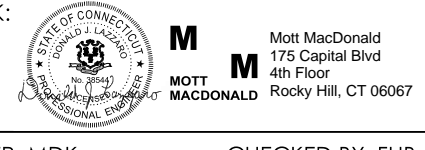
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LIMIT OF CONSTRUCTION  
ROUTE 200 STA. 26+47.43  
N: 913601.54  
E: 1238981.33**

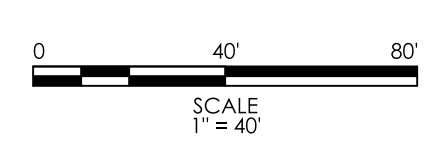
**BEGIN PROJECT NO. 0141-0158  
LIMIT OF CONSTRUCTION  
ROUTE 200 STA. 17+07.44  
N: 914216.06  
E: 1238270.03**

- LEGEND**
- FULL DEPTH CONSTRUCTION
  - MILL AND OVERLAY

- NOTES**
1. HORIZONTAL ALIGNMENT AND LOCATION OF ROADWAY ARE BASED ON SURVEY.
  2. CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE IMPACTED BY CONSTRUCTION AND/OR MILL AND OVERLAY OPERATIONS WILL BE ADJUSTED AS PER THE DRAINAGE SHEETS.
  3. FOR CURB DETAILS REFER TO PLN-04.
  4. FOR METAL BEAM RAIL LAYOUT REFER TO PLN-05.
  5. REFER TO MAINTENANCE & PROTECTION OF TRAFFIC - PATTERN 2 PLANS (MPT-08 - MPT-11) FOR DETAILS REGARDING THE LIMITS OF MILLING AND RESURFACING ON I-395.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
  
 DESIGNER/DRAFTER: MDK CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

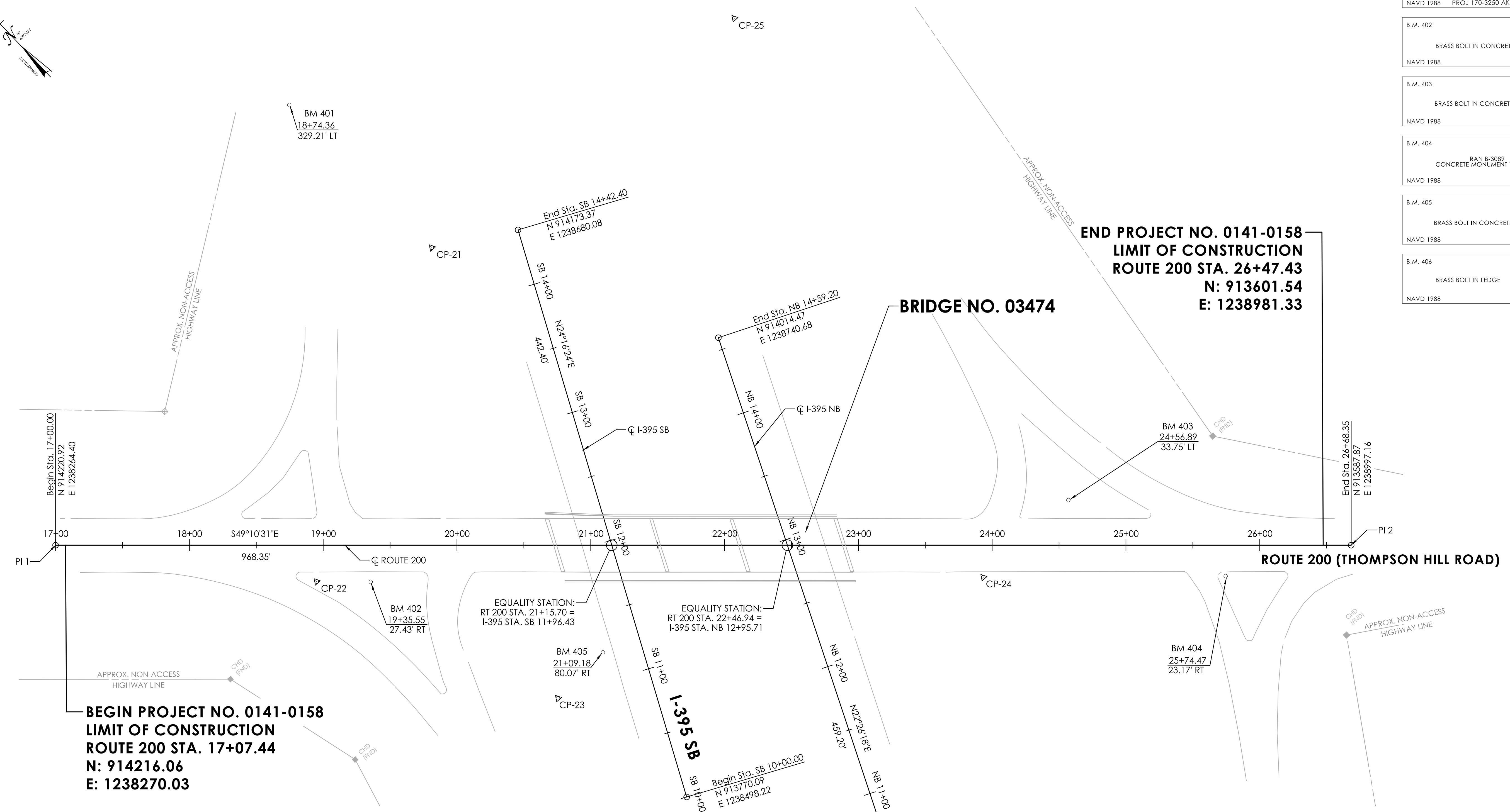
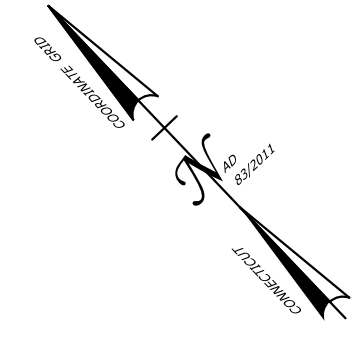
DRAWING TITLE:  
**GENERAL PLAN**

PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
**PLN-01**

SHEET NO.:  
 03.04

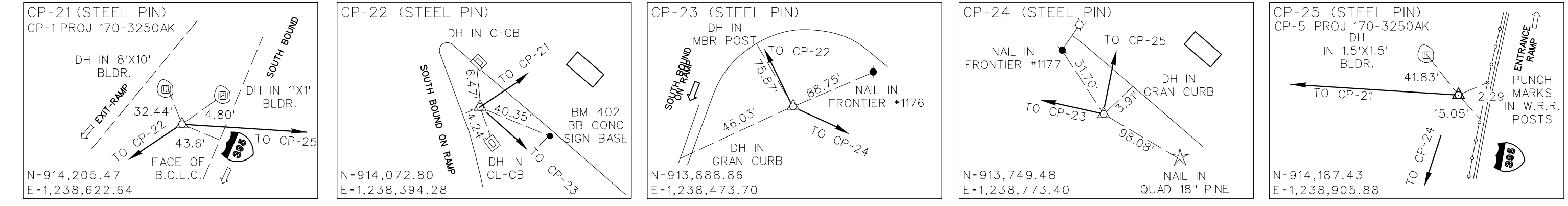
B.M. 401	Elev. 466.14
BRASS BOLT IN SOUTH MOST CORNER CONCRETE ENDWALL	
NAVD 1988	PROJ 170-3250 AK
B.M. 402	Elev. 472.32
BRASS BOLT IN CONCRETE SIGN BASE	
NAVD 1988	
B.M. 403	Elev. 502.33
BRASS BOLT IN CONCRETE SIGN BASE	
NAVD 1988	
B.M. 404	Elev. 509.69
RAN B-3089 CONCRETE MONUMENT WITH DISK	
NAVD 1988	
B.M. 405	Elev. 458.72
BRASS BOLT IN CONCRETE END ANCHOR	
NAVD 1988	
B.M. 406	Elev. 471.90
BRASS BOLT IN LEDGE	
NAVD 1988	



**END PROJECT NO. 0141-0158  
LIMIT OF CONSTRUCTION  
ROUTE 200 STA. 26+47.43  
N: 913601.54  
E: 1238981.33**

**BEGIN PROJECT NO. 0141-0158  
LIMIT OF CONSTRUCTION  
ROUTE 200 STA. 17+07.44  
N: 914216.06  
E: 1238270.03**

THOMPSON HILL ROAD, ROUTE 200					
PI	NORTH	EAST	LENGTH	DIRECTION	STATION
1	914220.92	1238264.40	968.35	S49°10'31"E	17+00.00
2	913587.87	1238997.16			26+68.35



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK: Mott MacDonald, 175 Canal Street, 4th Floor, Rocky Hill, CT 06067

DESIGNER/DRAFTER: MDK CHECKED BY: FHB

PROJECT TITLE: **REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

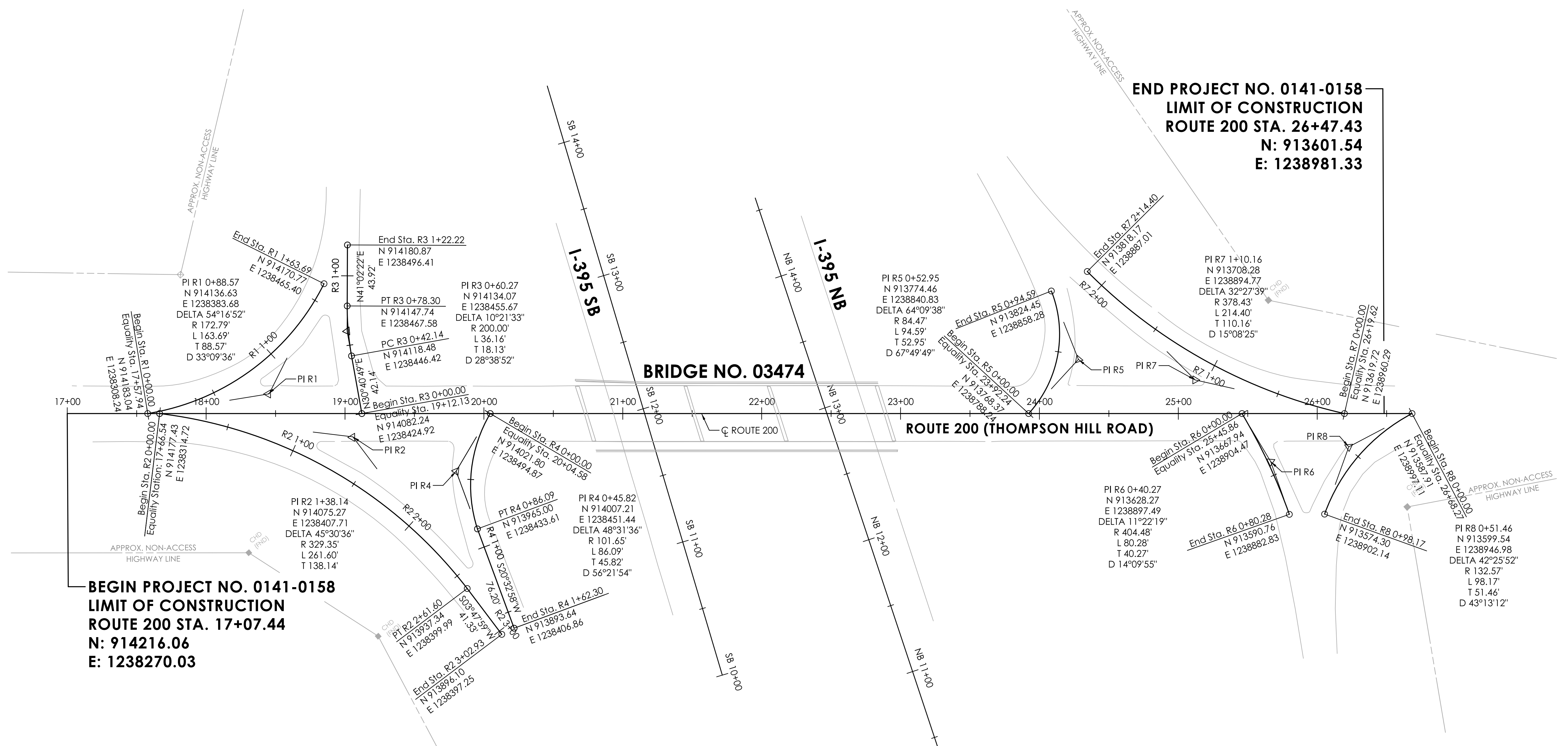
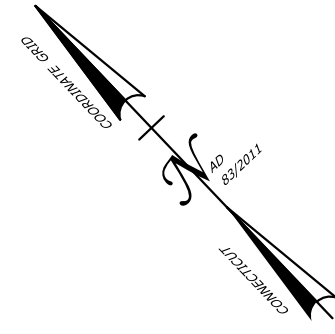
TOWN(S): **TOWN OF THOMPSON**

DRAWING TITLE: **ALIGNMENT PLAN**

PROJECT NO.: **0141-0158**

DRAWING NO.: **PLN-02**

SHEET NO.: **03.05**



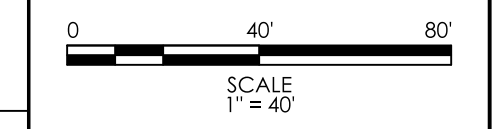
**BEGIN PROJECT NO. 0141-0158  
LIMIT OF CONSTRUCTION  
ROUTE 200 STA. 17+07.44  
N: 914216.06  
E: 1238270.03**

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

**M** Mott MacDonald  
175 Canal Street  
4th Floor  
Rocky Hill, CT 06067

DESIGNER/DRAFTER: MDK CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWNSHIP:  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**RAMP ALIGNMENT PLAN**

PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
**PLN-03**  
SHEET NO.: 03.06

**END PROJECT NO. 0141-0158**  
**LIMIT OF CONSTRUCTION**  
**ROUTE 200 STA. 26+47.43**  
**N: 913601.54**  
**E: 1238981.33**

**BRIDGE NO. 03474**

**BEGIN PROJECT NO. 0141-0158**  
**LIMIT OF CONSTRUCTION**  
**ROUTE 200 STA. 17+07.44**  
**N: 914216.06**  
**E: 1238270.03**

**LEGEND**

ROADWAY WIDENING AREAS

LIMITS OF MILL AND OVERLAY

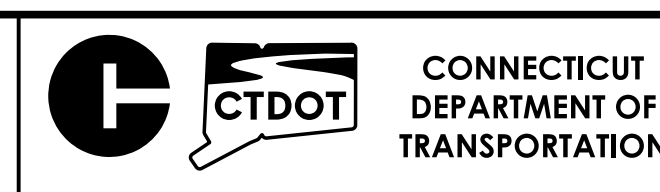
**NOTES**

1. REMOVAL OF EXISTING GRANITE CURB IS BASED ON THE LIMITS SHOWN FOR PROPOSED CONCRETE CURBING. REMOVED GRANITE IS TO BE SALVAGED AND DELIVERED TO PUTNAM MAINTENANCE FACILITY, 3 INDUSTRIAL PARK ROAD, PUTNAM, CT. 06260.

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0 40 80  
 SCALE  
 1" = 40'



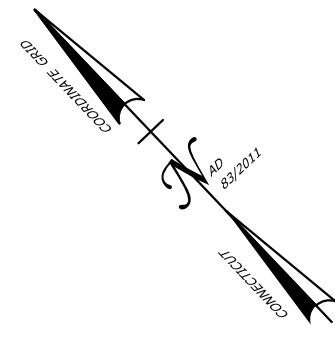
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**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**CURBING PLAN**

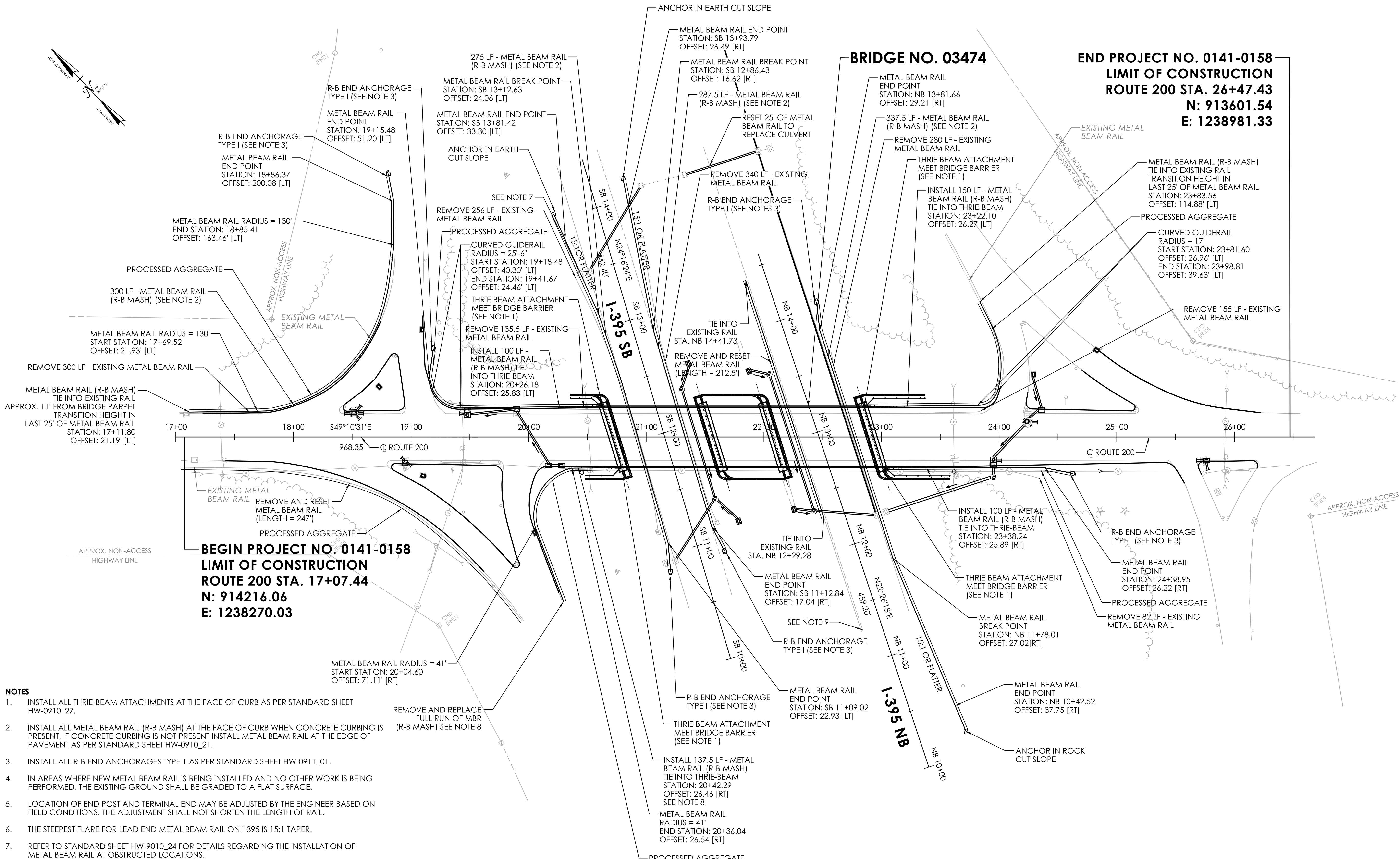
PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
**PLN-04**  
 SHEET NO.:  
 03.07



**END PROJECT NO. 0141-0158**  
**LIMIT OF CONSTRUCTION**  
**ROUTE 200 STA. 26+47.43**  
**N: 913601.54**  
**E: 1238981.33**

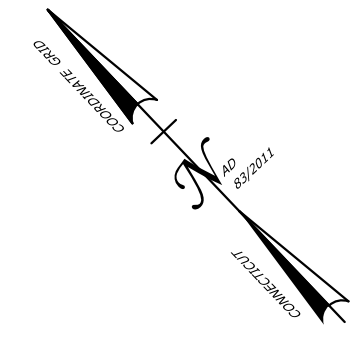
**BRIDGE NO. 03474**



**BEGIN PROJECT NO. 0141-0158**  
**LIMIT OF CONSTRUCTION**  
**ROUTE 200 STA. 17+07.44**  
**N: 914216.06**  
**E: 1238270.03**

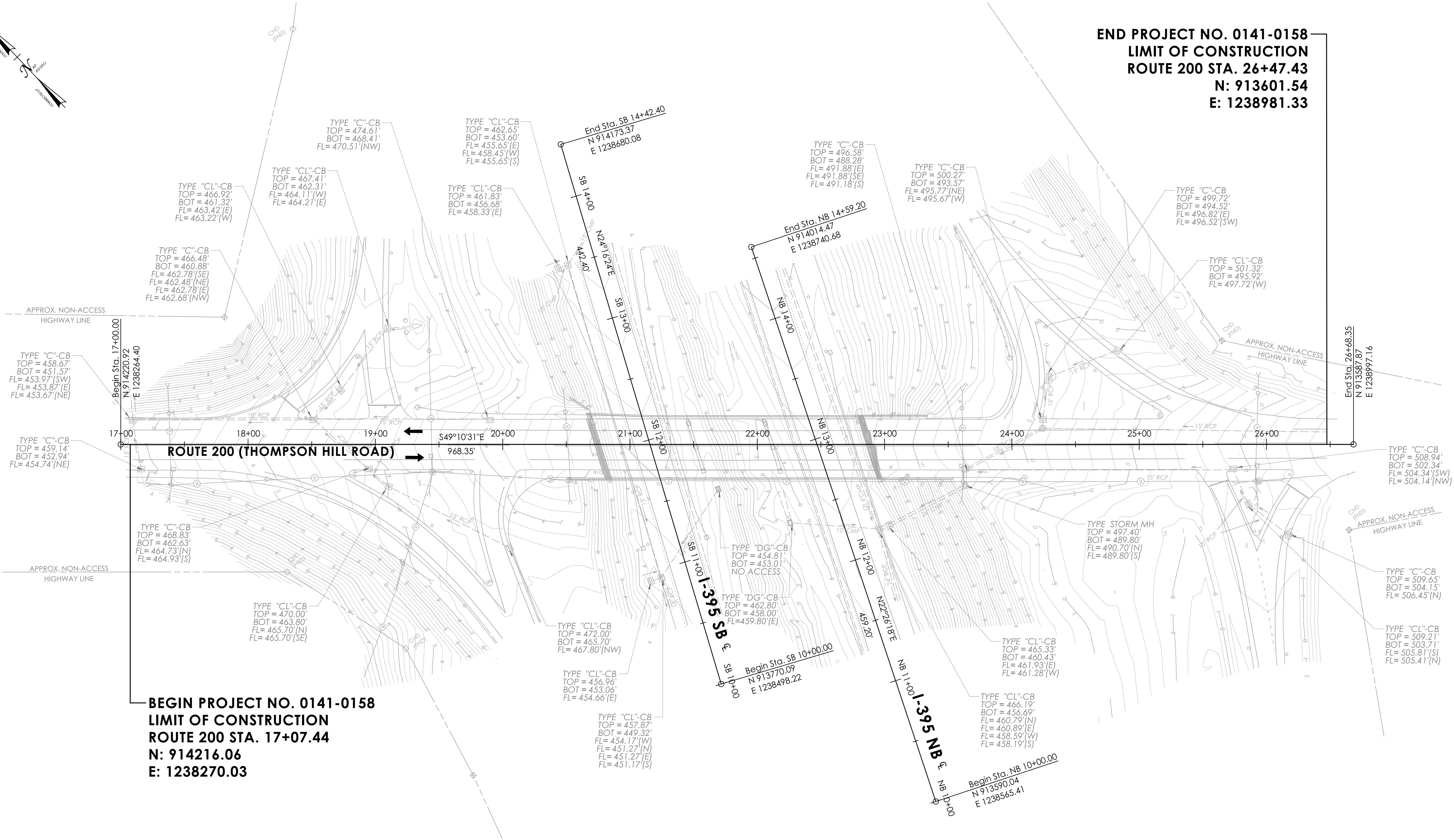
- NOTES**
- INSTALL ALL THRIE-BEAM ATTACHMENTS AT THE FACE OF CURB AS PER STANDARD SHEET HW-0910\_27.
  - INSTALL ALL METAL BEAM RAIL (R-B MASH) AT THE FACE OF CURB WHEN CONCRETE CURBING IS PRESENT. IF CONCRETE CURBING IS NOT PRESENT INSTALL METAL BEAM RAIL AT THE EDGE OF PAVEMENT AS PER STANDARD SHEET HW-0910\_21.
  - INSTALL ALL R-B END ANCHORAGES TYPE I AS PER STANDARD SHEET HW-0911\_01.
  - IN AREAS WHERE NEW METAL BEAM RAIL IS BEING INSTALLED AND NO OTHER WORK IS BEING PERFORMED, THE EXISTING GROUND SHALL BE GRADED TO A FLAT SURFACE.
  - LOCATION OF END POST AND TERMINAL END MAY BE ADJUSTED BY THE ENGINEER BASED ON FIELD CONDITIONS. THE ADJUSTMENT SHALL NOT SHORTEN THE LENGTH OF RAIL.
  - THE STEEPEST FLARE FOR LEAD END METAL BEAM RAIL ON I-395 IS 15:1 TAPER.
  - REFER TO STANDARD SHEET HW-9010\_24 FOR DETAILS REGARDING THE INSTALLATION OF METAL BEAM RAIL AT OBSTRUCTED LOCATIONS.
  - INSTALL METAL BEAM RAIL FROM THE RADIUS END POINT ALONG THE LEFT SHOULDER OF THE ON RAMP FOR APPROXIMATELY 640'.
  - REMOVE EXISTING SOUTH END MEDIAN SIDE END TREATMENT (ITEM 0912503 - REMOVE METAL BEAM RAIL) AND INSTALL MFLEAT IMPACT ATTENUATOR (ITEM 1803300 - IMPACT ATTENUATION SYSTEM TANGENTIAL).

SIGNATURE BLOCK:  M. MacDonald 175 Central Street 4th Floor Rocky Hill, CT 06067	 SCALE 1" = 40'	 <b>CONNECTICUT</b> <b>DEPARTMENT OF</b> <b>TRANSPORTATION</b>	PROJECT TITLE:	TOWN(S):	DRAWING TITLE:	PROJECT NO.:	DRAWING NO.:
			<b>REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER</b> <b>INTERSTATE 395</b>	<b>TOWN OF THOMPSON</b>	<b>METAL BEAM RAIL PLAN</b>	<b>0141-0158</b>	<b>PLN-05</b> SHEET NO.: 03.08



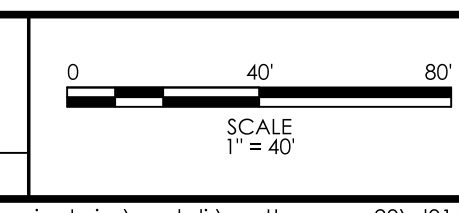
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**LIMIT OF CONSTRUCTION**  
**ROUTE 200 STA. 26+47.43**  
**N: 913601.54**  
**E: 1238981.33**

**BEGIN PROJECT NO. 0141-0158**  
**LIMIT OF CONSTRUCTION**  
**ROUTE 200 STA. 17+07.44**  
**N: 914216.06**  
**E: 1238270.03**



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 175 Canal Street  
 4th Floor  
 Rocky Hill, CT 06067  
 DESIGNER/DRAFTER: MDK CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWNSHIP:  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**EXISTING DRAINAGE SURVEY**

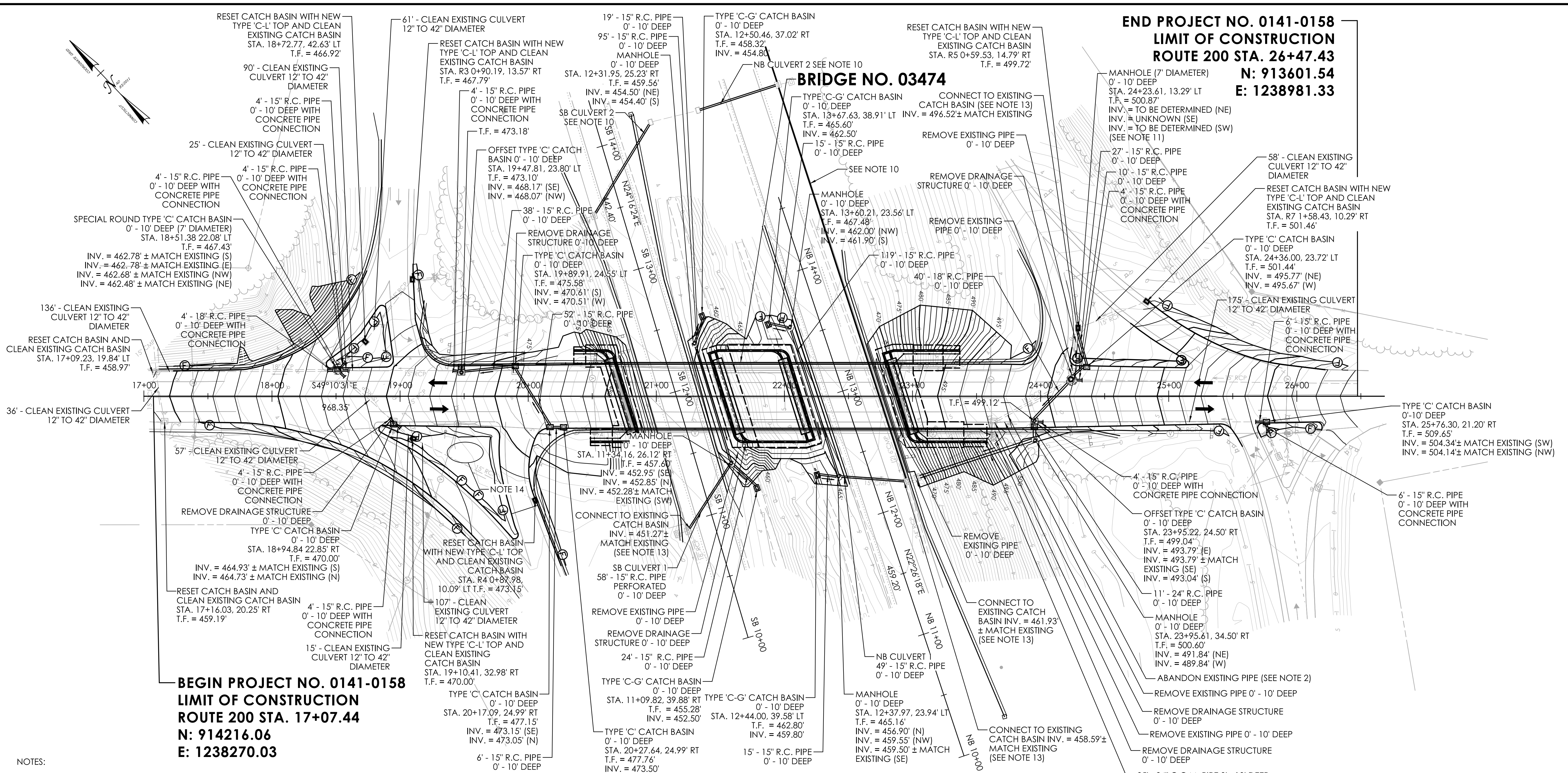
PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
**PLN-06**  
 SHEET NO.: 03.09

**END PROJECT NO. 0141-0158  
LIMIT OF CONSTRUCTION  
ROUTE 200 STA. 26+47.43  
N: 913601.54  
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**BRIDGE NO. 03474**

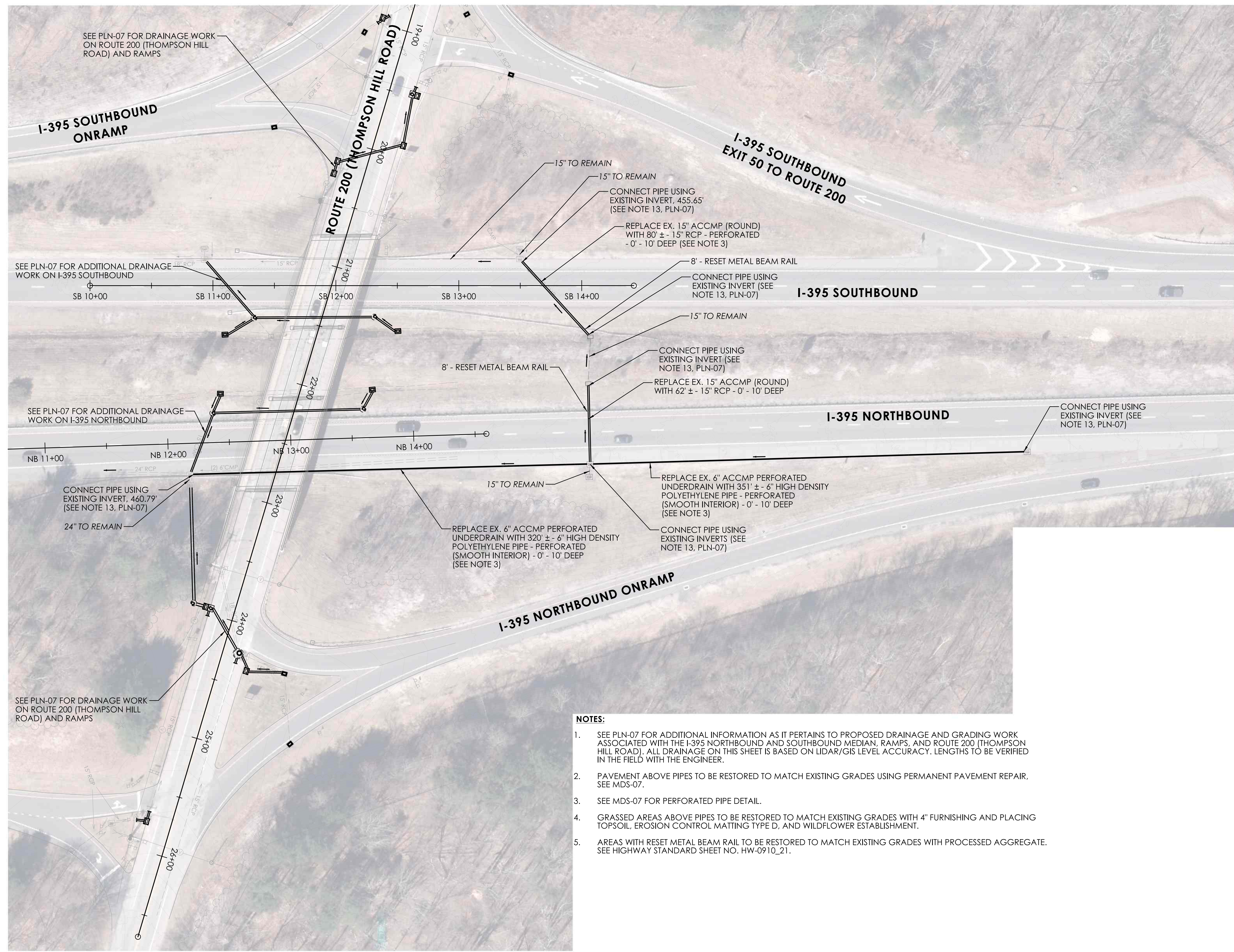
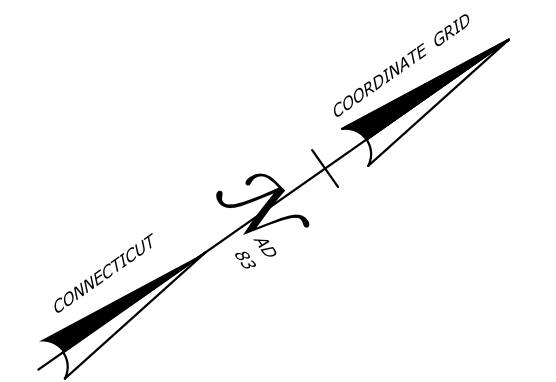
**BEGIN PROJECT NO. 0141-0158  
LIMIT OF CONSTRUCTION  
ROUTE 200 STA. 17+07.44  
N: 914216.06  
E: 1238270.03**



- NOTES:
- THE EXISTING UNDERGROUND STRUCTURES AND SERVICES ARE SHOWN AS NEAR THEIR CORRECT POSITION AS POSSIBLE. ALL LOCATIONS ARE APPROXIMATE ONLY AND THEIR STRUCTURES AND SERVICES ACTIVE OR ABANDONED MAY NOT BE SHOWN. CONTRACTOR IS RESPONSIBLE FOR VERIFYING SUBSURFACE INFORMATION. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" TOLL FREE (1-800-922-4455) IN ACCORDANCE WITH STATE REQUIREMENTS.
  - ALL EXISTING PIPES TO BE ABANDONED SHALL UTILIZE ITEM NO. 0216012A CONTROLLED LOW STRENGTH MATERIAL. EXISTING PIPES TO BE REMOVED ARE AS CALLED FOR ON THE DRAINAGE PLANS OR AS DIRECTED BY THE ENGINEER. LIMITS OF EXISTING PIPES TO BE ABANDONED SHALL BE OUTSIDE OF DRAINAGE TRENCH EXCAVATION LIMITS, AS DEFINED IN SUBARTICLE 2.86.03-1, OR AS DIRECTED BY THE ENGINEER.
  - PIPE LENGTHS ARE ROUNDED TO THE NEAREST 1 FOOT AND MEASURED WITH 3D LENGTH. THE LENGTH FOR END TREATMENTS IS NOT INCLUDED IN PIPE LENGTH. PIPE LENGTHS ARE FOR ESTIMATING PURPOSES ONLY.
  - USE APPROPRIATE CATCH BASIN CONCRETE TOP AS SHOWN FOR TYPE 'C' CATCH BASINS ON HIGHWAY STANDARD SHEET NO. HW-586\_07g FOR THE ADJACENT CURBING TYPE AS SHOWN ON THE CURBING PLAN OR TO MATCH THE ADJACENT EXISTING CURBING TYPE. IF CURBING IS NOT SPECIFIED ON THE PLANS PROVIDE TOP AS DIRECTED BY THE ENGINEER.
  - EXISTING DRAINAGE SYSTEMS, CATCH BASINS, AND CULVERTS SHALL BE CLEANED AS CALLED FOR ON THE DRAINAGE PLANS OR AS DIRECTED BY THE ENGINEER AFTER WORK WITHIN THAT SYSTEM IS COMPLETE PURSUANT TO ITEM NO. 0653001 - CLEAN EXISTING CATCH BASIN AND 0653100 - CLEAN EXISTING CULVERT 12" TO 42" DIAMETER IN ACCORDANCE WITH FORM 819 ARTICLE 1.08.11.
  - ALL BASELINE OFFSETS SHALL BE APPLIED AT THE CENTER OF THE GRATE FOR TYPE 'C-L' AND TYPE 'C-G' CATCH BASINS AND AT THE CENTER OF THE COVER FOR MANHOLES. ALL BASELINE OFFSETS FOR TYPE 'C' CATCH BASINS SHALL BE APPLIED AT THE CENTER OF THE GRATE AT THE GUTTER LINE AND SHALL BE ROTATED TO ALIGN WITH THE PROPOSED CURBLINE.
  - CATCH BASIN AND MANHOLE FRAMES, GRATES, AND COVERS SHALL BE STANDARD DOT ITEMS UNLESS OTHERWISE NOTED.
  - TOP OF FRAME ELEVATIONS REFLECT THE FINISHED GRATE WITHOUT THE REQUIRED DEPRESSION, REFER TO THE STANDARD DRAINAGE DETAILS FOR ADDITIONAL ELEVATION ADJUSTMENTS AS REQUIRED.
  - UNLESS OTHERWISE STATED, CATCH BASIN SUMPS ARE ASSUMED TO BE 2 FEET DEEP.
  - SEE PLN-08 FOR ADDITIONAL DRAINAGE PIPE INFORMATION ON I-395 NORTHBOUND AND I-395 SOUTHBOUND.
  - THE CONTRACTOR SHALL LOCATE EXISTING MANHOLE AT 24+24±, 13± LT AND PROVIDE EXISTING PIPE INFORMATION (INVERTS AND DIAMETERS) TO THE ENGINEER PRIOR TO PROCUREMENT OF PROPOSED MANHOLE AT 24+23.61, 13.29' LT. INVERTS AT PROPOSED MANHOLE TO BE DETERMINED BASED ON THE INVERTS OF THE EXISTING MANHOLE. PAYMENT FOR LOCATION OF EXISTING MANHOLE TO BE INCLUDED IN ITEM NO. 0980020 - CONSTRUCTION SURVEYING.
  - COUPLINGS BANDS SHALL NOT BE MEASURED FOR PAYMENT AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE ASSOCIATED COATED CORRUGATED METAL (C.C.M.) PIPE.
  - CLEAN EXISTING CATCH BASIN AFTER CONNECTION IS COMPLETE.
  - REFER TO THE TEMPORARY ACCESS RAMP PLAN SHEET TPP-01 FOR TEMPORARY DISTURBANCE AREAS.
  - RESET CATCH BASIN TO UTILIZE EXISTING CATCH BASIN TOP UNLESS OTHERWISE NOTED.

REV.	DATE	REVISION DESCRIPTION

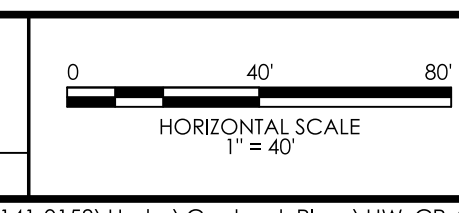
SIGNATURE BLOCK: Mott MacDonald 175 Central Street 4th Floor Rocky Hill, CT 06067		CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE:	TOWN(S):	DRAWING TITLE:	PROJECT NO.:	DRAWING NO.:
			<b>REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395</b>	<b>TOWN OF THOMPSON</b>	<b>DRAINAGE AND GRADING PLAN</b>	<b>0141-0158</b>	<b>PLN-07</b> SHEET NO.: 03.10



- NOTES:**
- SEE PLN-07 FOR ADDITIONAL INFORMATION AS IT PERTAINS TO PROPOSED DRAINAGE AND GRADING WORK ASSOCIATED WITH THE I-395 NORTHBOUND AND SOUTHBOUND MEDIAN, RAMPS, AND ROUTE 200 (THOMPSON HILL ROAD). ALL DRAINAGE ON THIS SHEET IS BASED ON LIDAR/GIS LEVEL ACCURACY. LENGTHS TO BE VERIFIED IN THE FIELD WITH THE ENGINEER.
  - PAVEMENT ABOVE PIPES TO BE RESTORED TO MATCH EXISTING GRADES USING PERMANENT PAVEMENT REPAIR, SEE MDS-07.
  - SEE MDS-07 FOR PERFORATED PIPE DETAIL.
  - GRASSED AREAS ABOVE PIPES TO BE RESTORED TO MATCH EXISTING GRADES WITH 4" FURNISHING AND PLACING TOPSOIL, EROSION CONTROL MATTING TYPE D, AND WILDFLOWER ESTABLISHMENT.
  - AREAS WITH RESET METAL BEAM RAIL TO BE RESTORED TO MATCH EXISTING GRADES WITH PROCESSED AGGREGATE. SEE HIGHWAY STANDARD SHEET NO. HW-0910\_21.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
 DESIGNER/DRAFTER: KAO CHECKED BY: KLM



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE NO. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

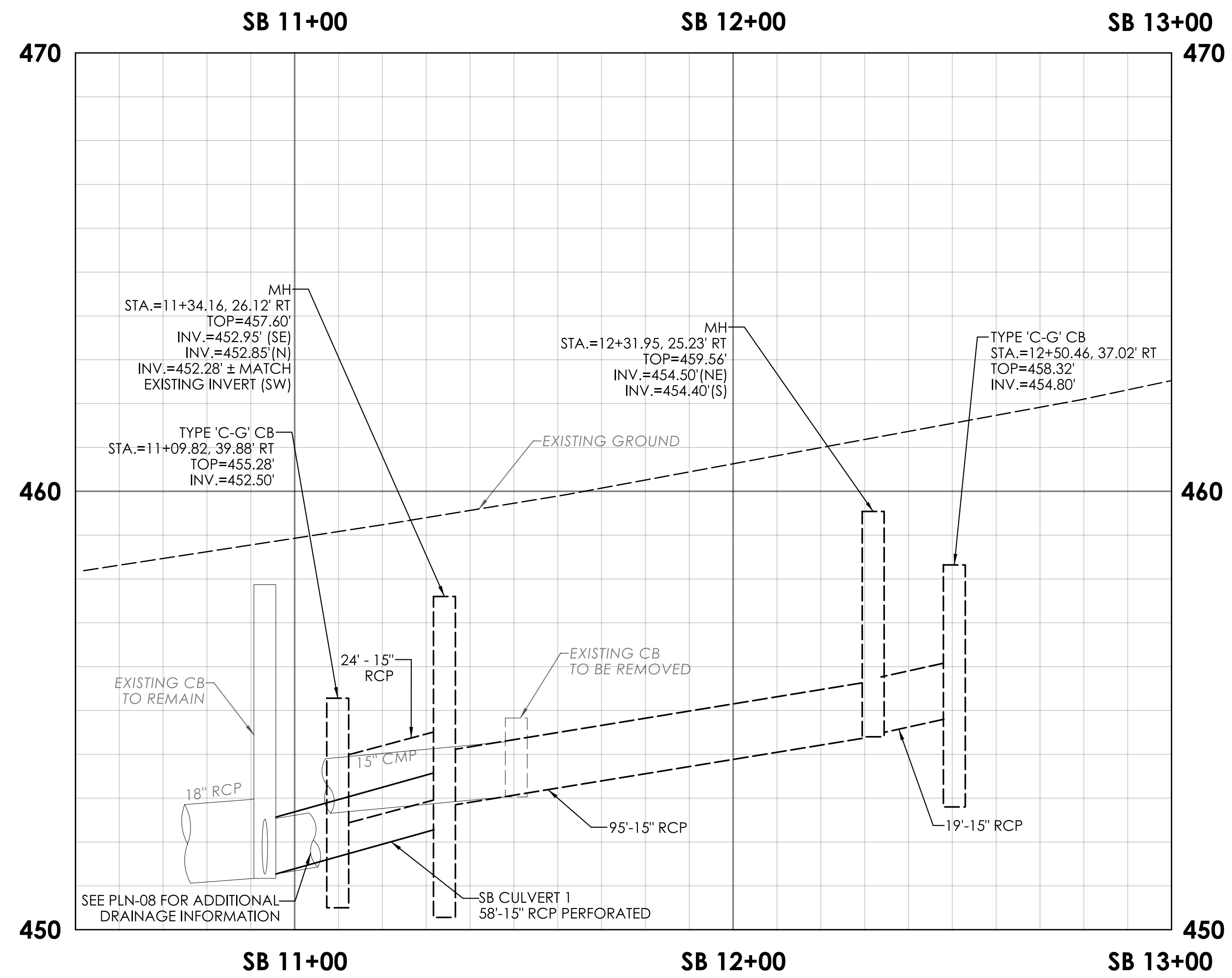
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PROJECT NO.:  
**0141-0158**

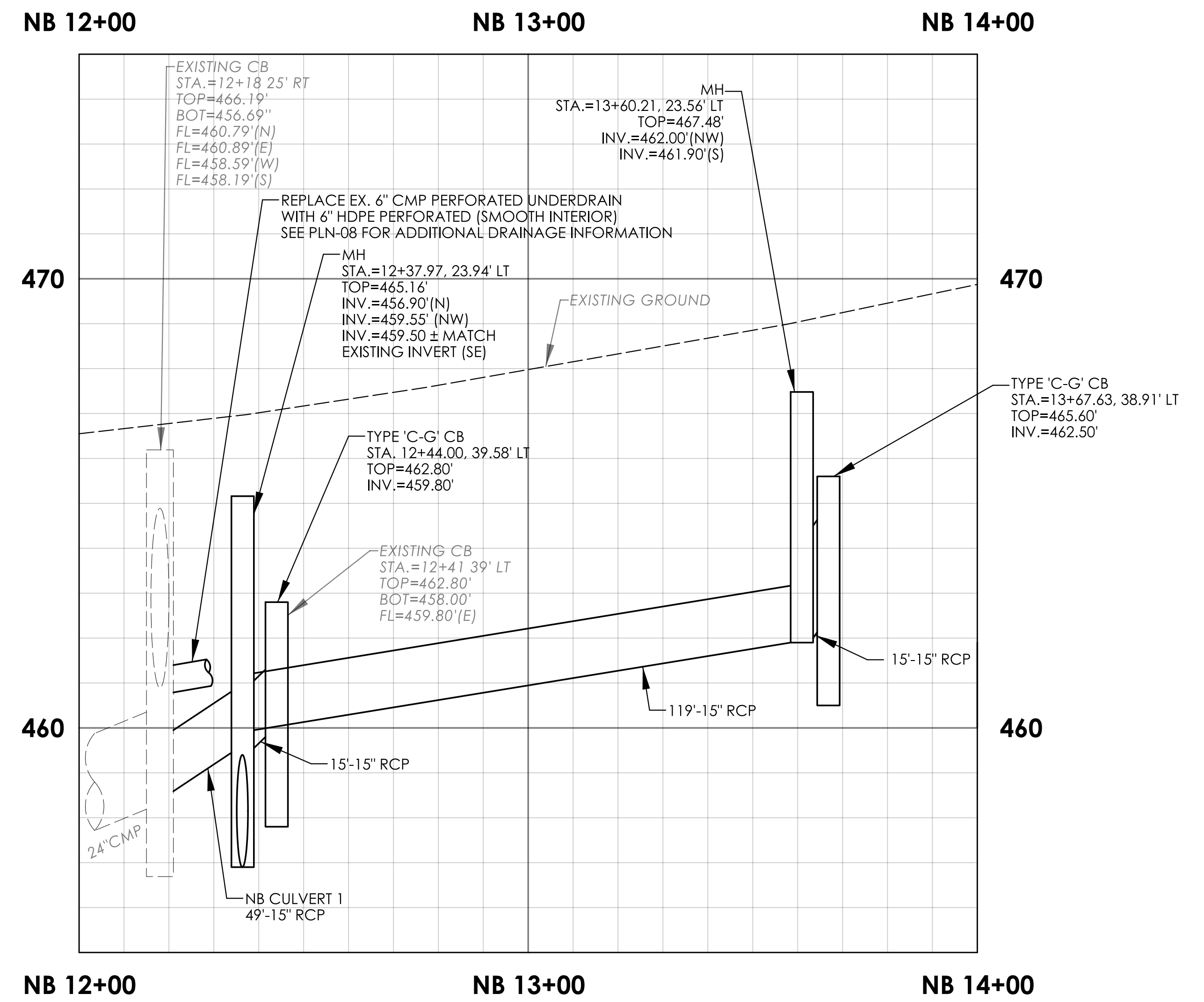
DRAWING NO.:  
**PLN-08**

SHEET NO.:  
 03.11





I-395 SB PROFILE



I-395 NB PROFILE

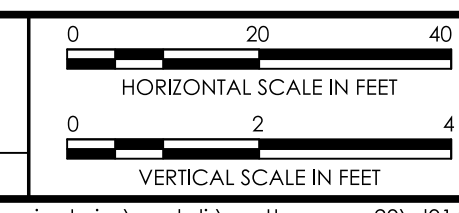
NOTES

1. DRAINAGE ON THE RIGHT SIDE OF CT 200 IS DEPICTED WITH A DASHED LINE TYPE. DRAINAGE ON THE LEFT SIDE OF CT 200 IS DEPICTED WITH A SOLID LINE TYPE.
2. INVERTS PROVIDED ARE TO PIPES. CATCH BASIN SUMP INVERTS ARE 2' BELOW THE LOWEST PIPE INVERT.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
 M Mott MacDonald  
 175 Canal Street  
 4th Floor  
 Rocky Hill, CT 06067

DESIGNER/DRAFTER: MDK CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

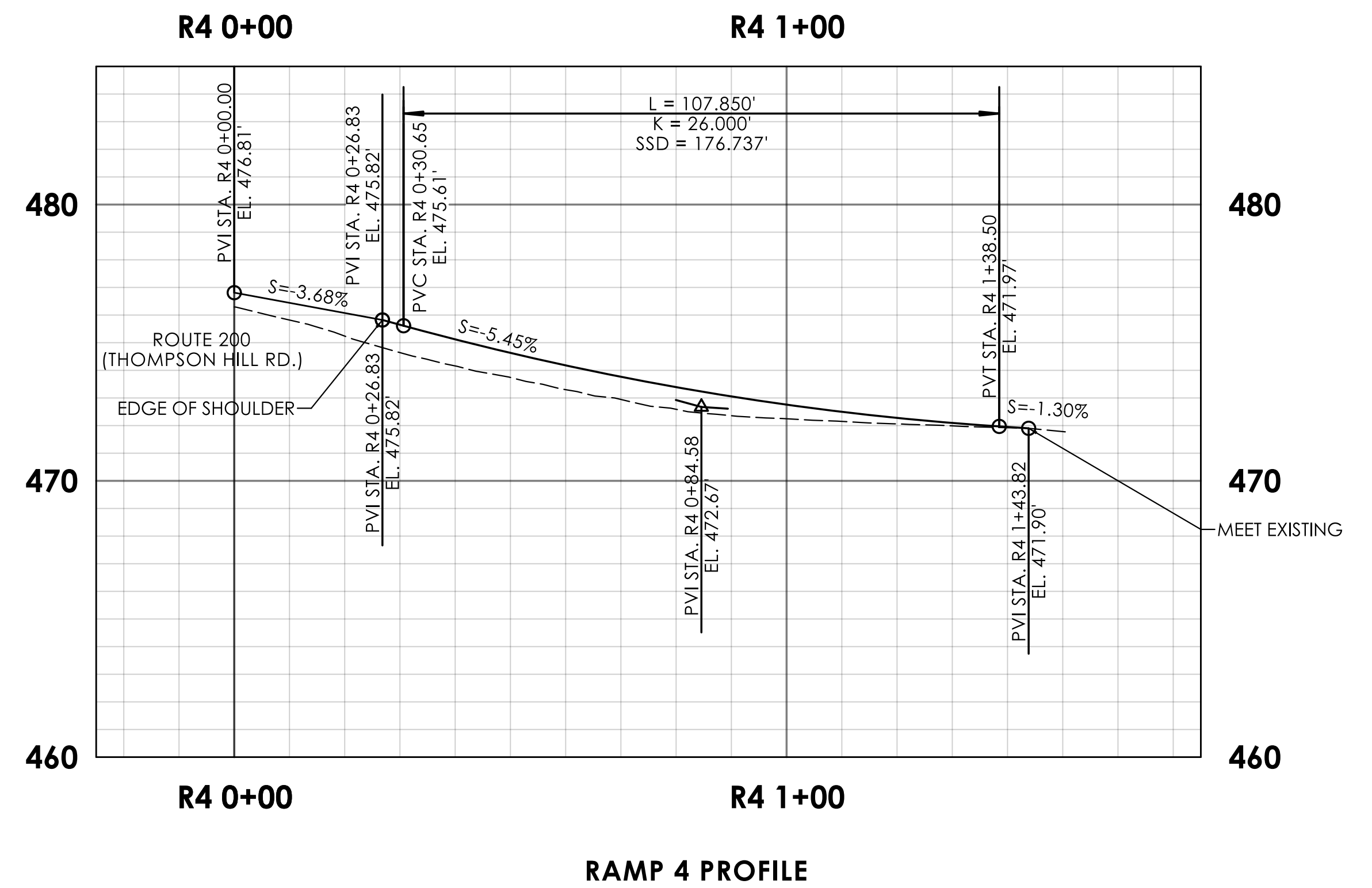
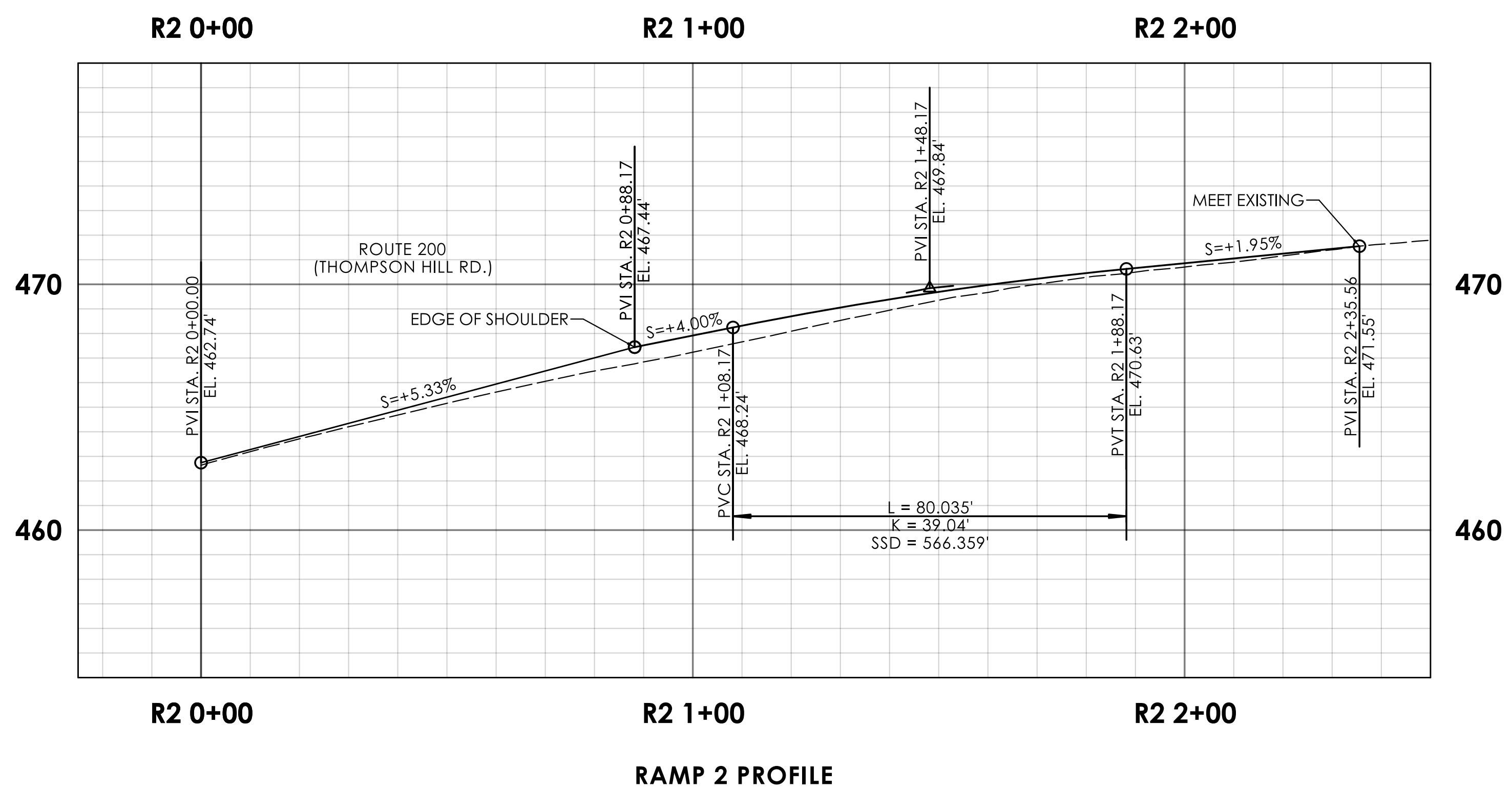
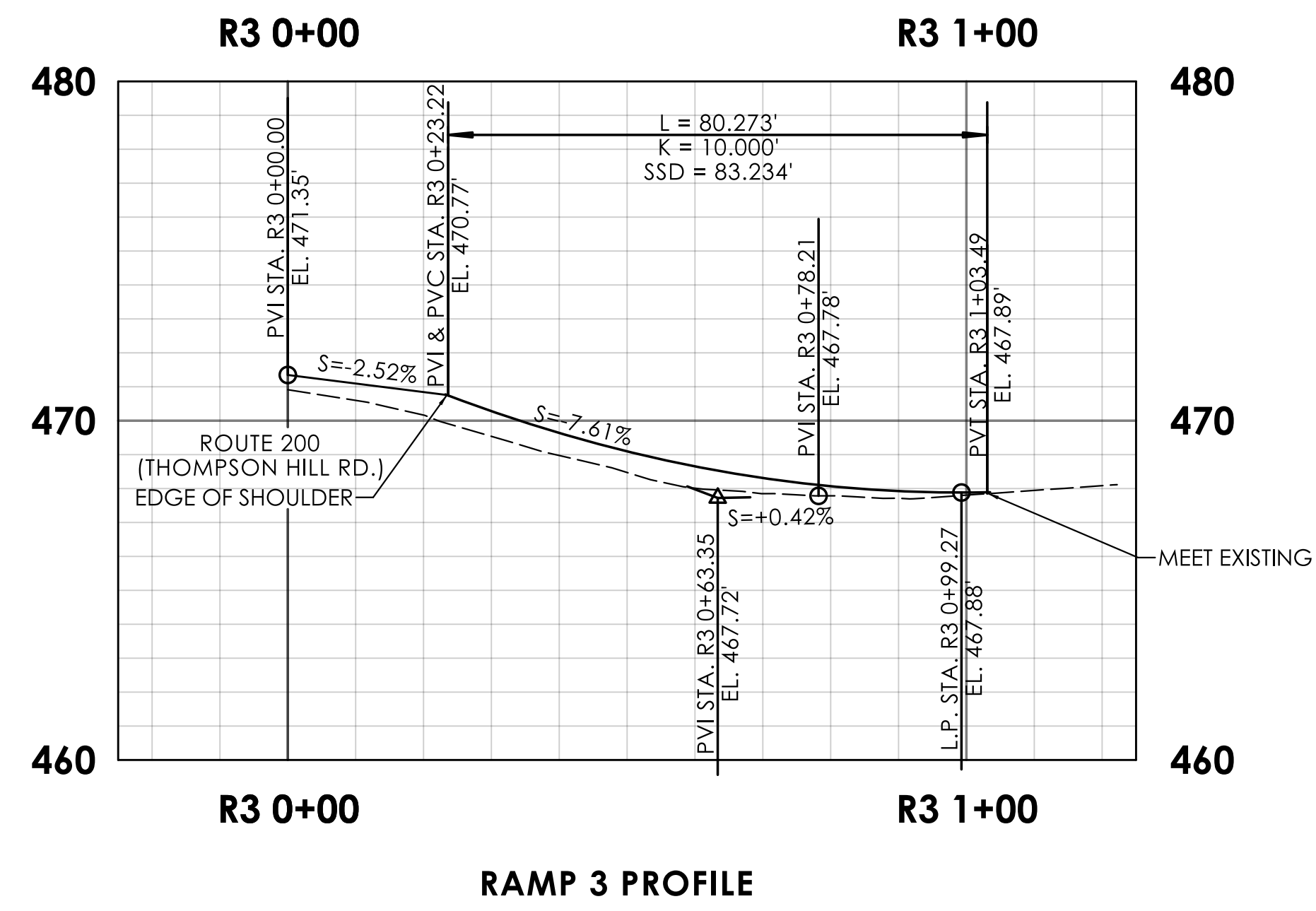
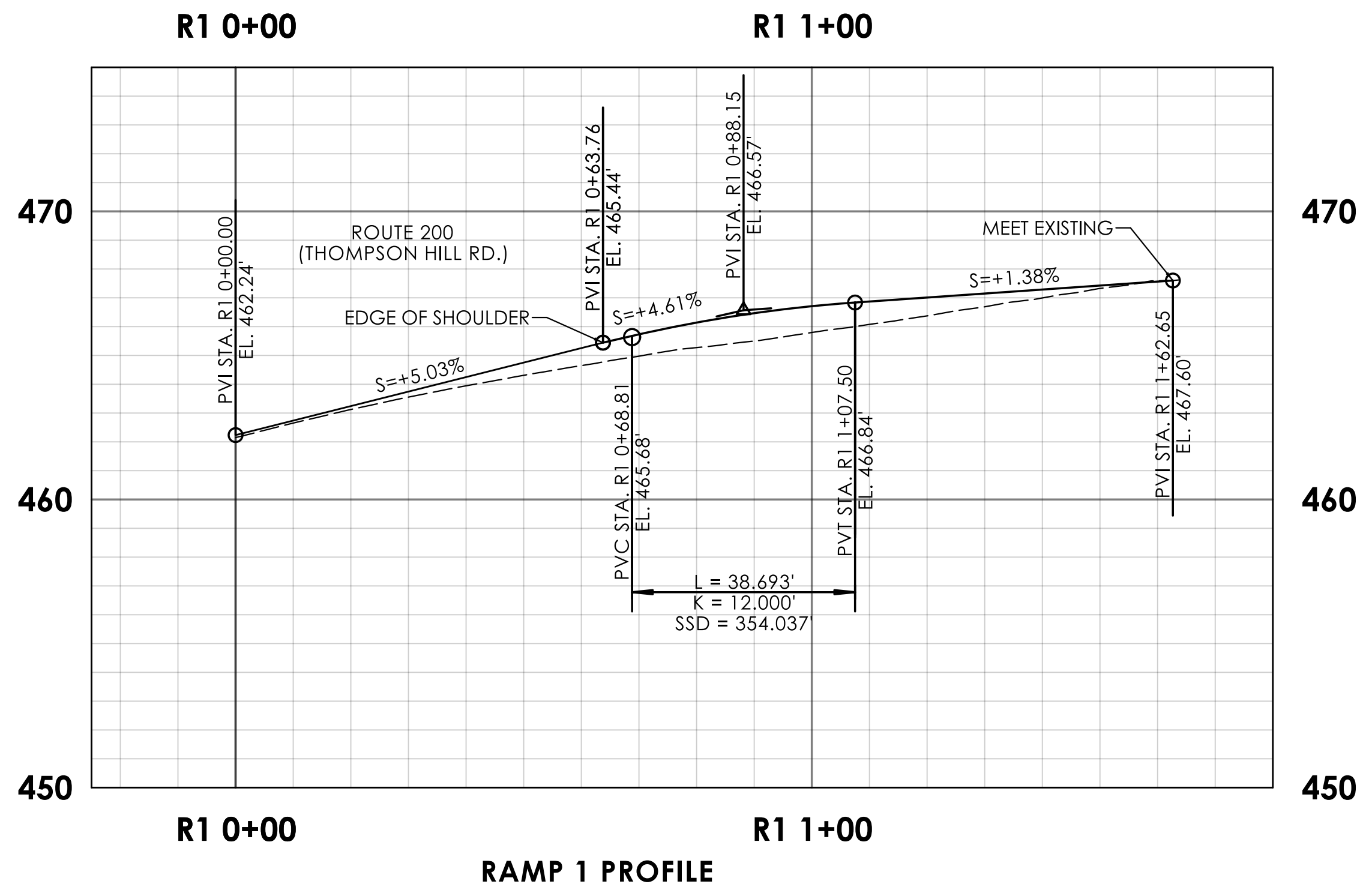
TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**INTERSTATE 395 PROFILES**

PROJECT NO.:  
**0141-0158**

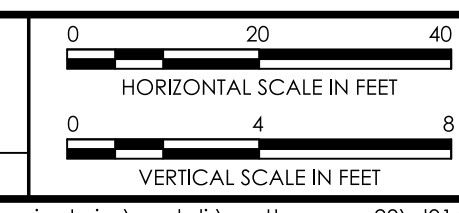
DRAWING NO.:  
**PRO-02**

SHEET NO.:  
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REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
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 CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

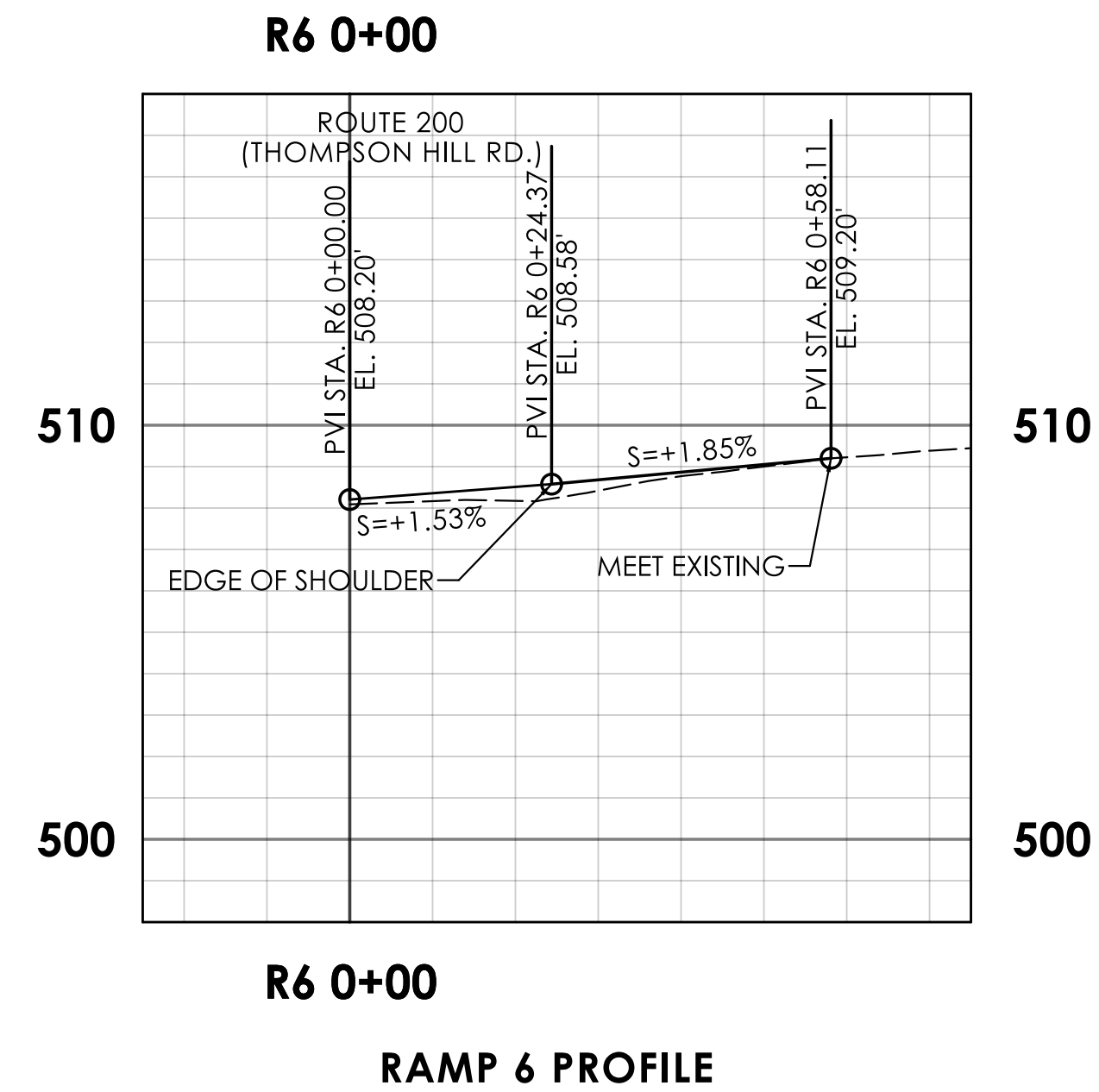
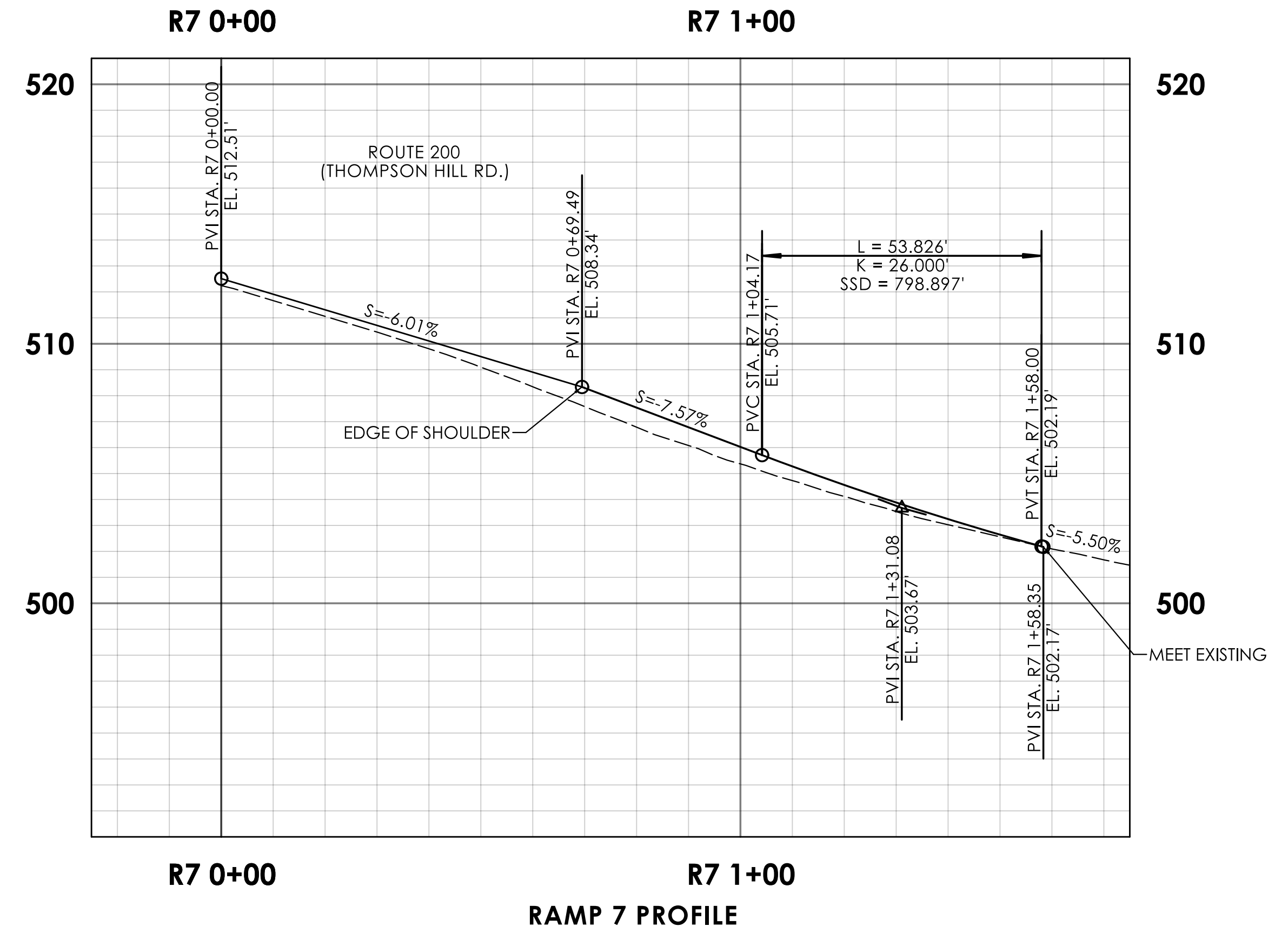
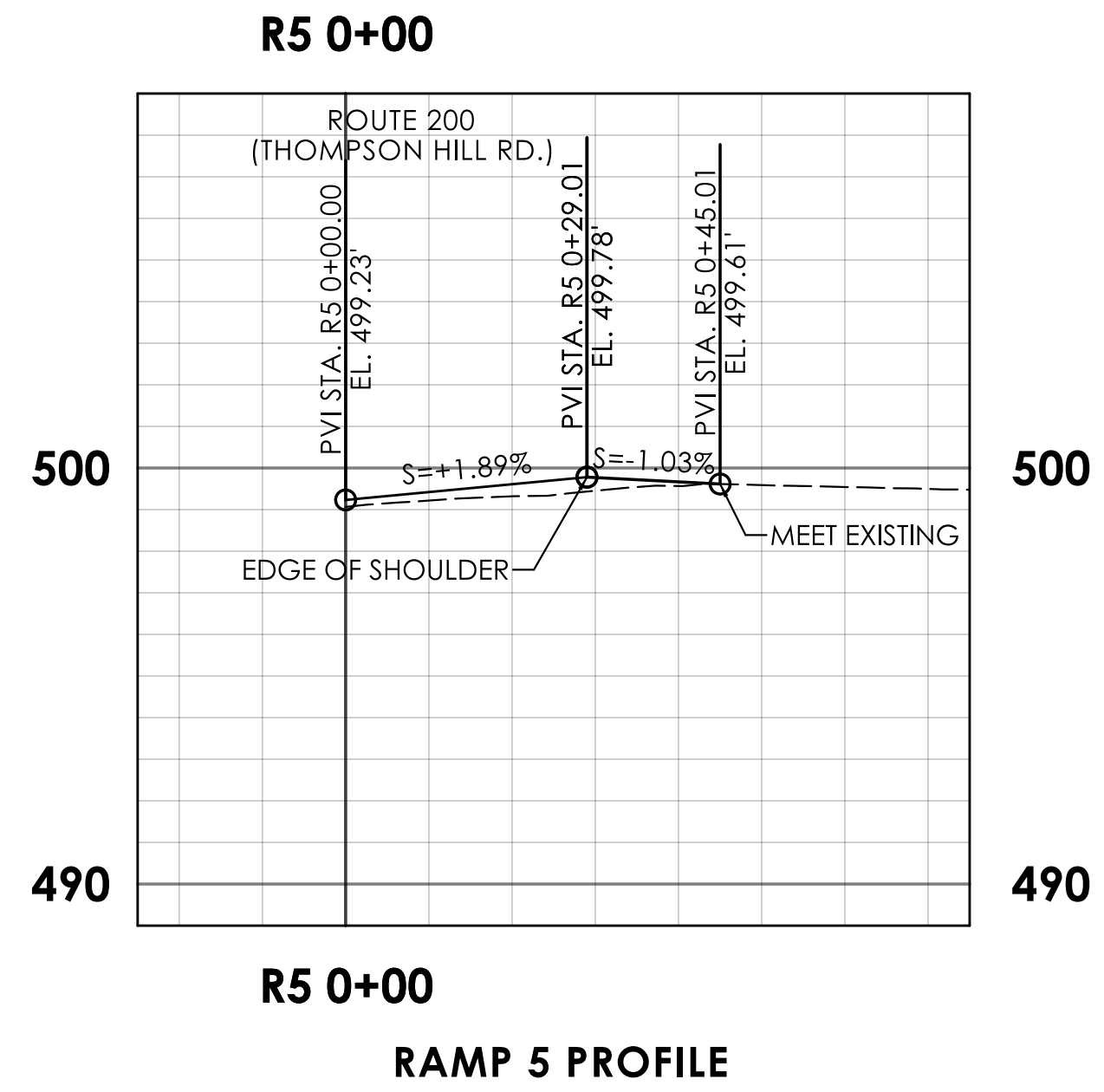
TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
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PROJECT NO.:  
**0141-0158**

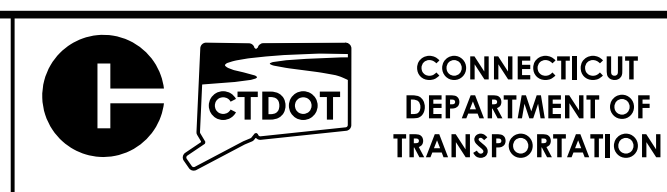
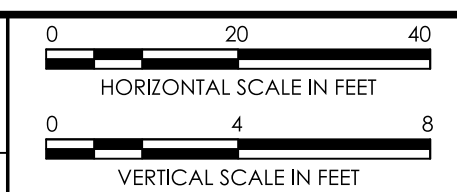
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SHEET NO.:  
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REV.	DATE	REVISION DESCRIPTION

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 175 Canal Street  
 4th Floor  
 Rocky Hill, CT 06067  
 DESIGNER/DRAFTER: MDK      CHECKED BY: FHB

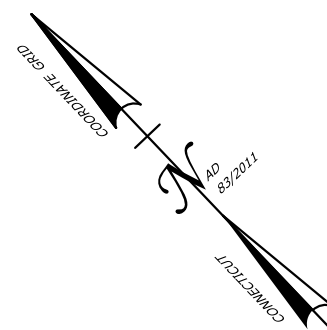


PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**RAMP PROFILES - 02**

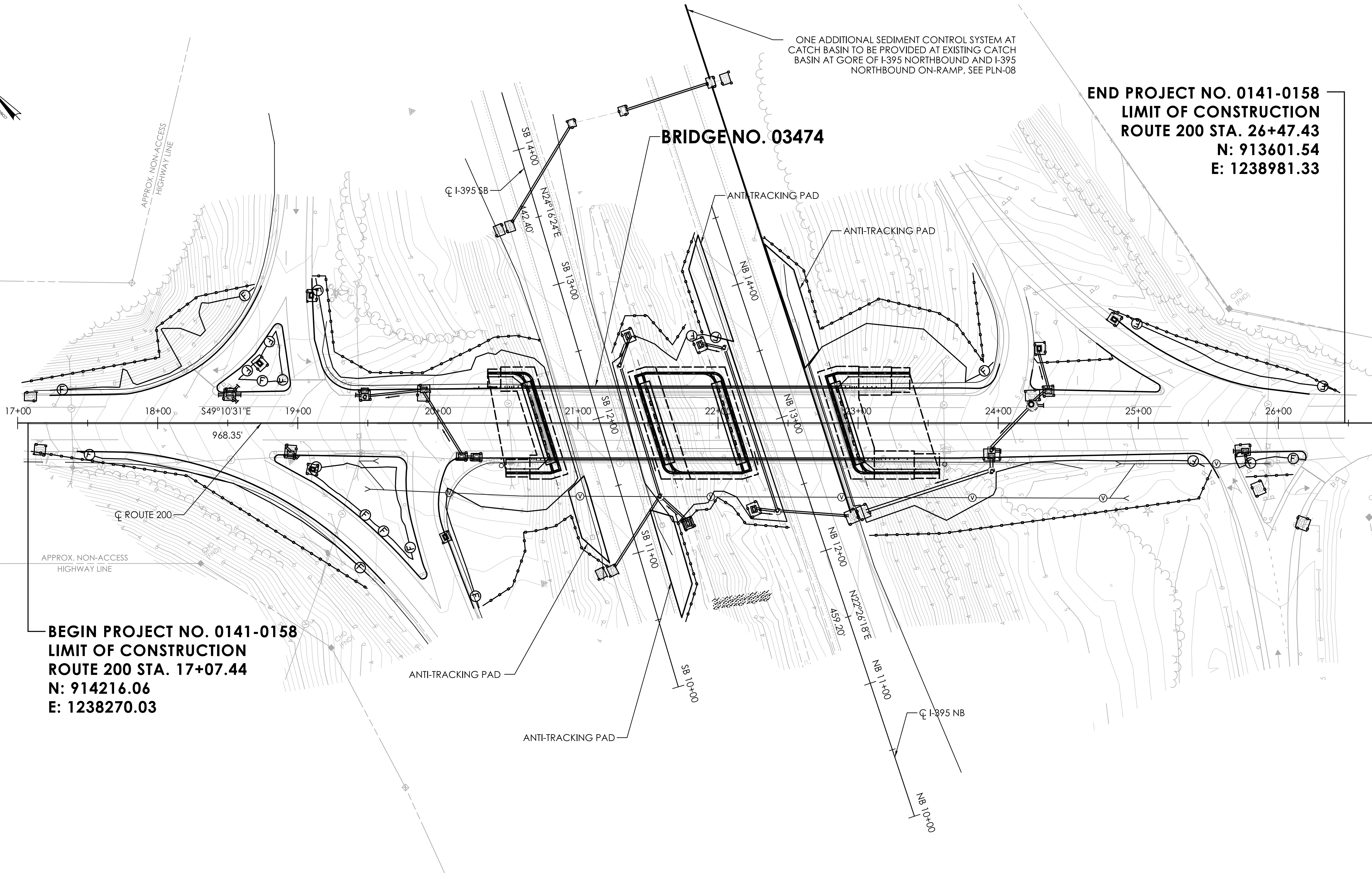
PROJECT NO.:  
**0141-0158**  
 DRAWING NO.:  
**PRO-04**  
 SHEET NO.:  
 03.15



ONE ADDITIONAL SEDIMENT CONTROL SYSTEM AT CATCH BASIN TO BE PROVIDED AT EXISTING CATCH BASIN AT GORE OF I-395 NORTHBOUND AND I-395 NORTHBOUND ON-RAMP. SEE PLN-08

**END PROJECT NO. 0141-0158**  
**LIMIT OF CONSTRUCTION**  
**ROUTE 200 STA. 26+47.43**  
**N: 913601.54**  
**E: 1238981.33**

**BRIDGE NO. 03474**



**BEGIN PROJECT NO. 0141-0158**  
**LIMIT OF CONSTRUCTION**  
**ROUTE 200 STA. 17+07.44**  
**N: 914216.06**  
**E: 1238270.03**

**NOTES**

1. SEDIMENT CONTROL SYSTEM AT CATCH BASIN SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED CATCH BASINS WITHIN THE LIMITS OF CONSTRUCTION. ADDITIONALLY, EXISTING CATCH BASINS DOWN GRADIENT OF PROPOSED WORK AND DISTURBED AREAS SHALL RECEIVE A SEDIMENT CONTROL SYSTEM. PAYMENT SHALL UTILIZE ITEM NO. 0219011A - SEDIMENT CONTROL SYSTEM AT CATCH BASIN.

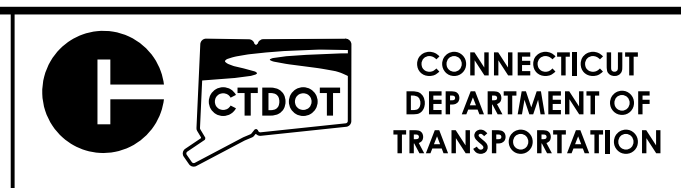
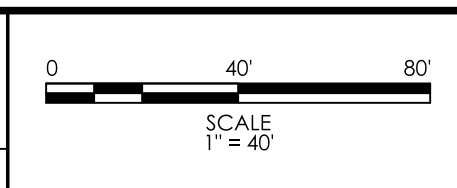
**LEGEND**

- SEDIMENTATION CONTROL SYSTEM
- SEDIMENT CONTROL SYSTEM AT CATCH BASIN
- SEDIMENT CONTROL HAY BALE SYSTEM

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: MDK CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

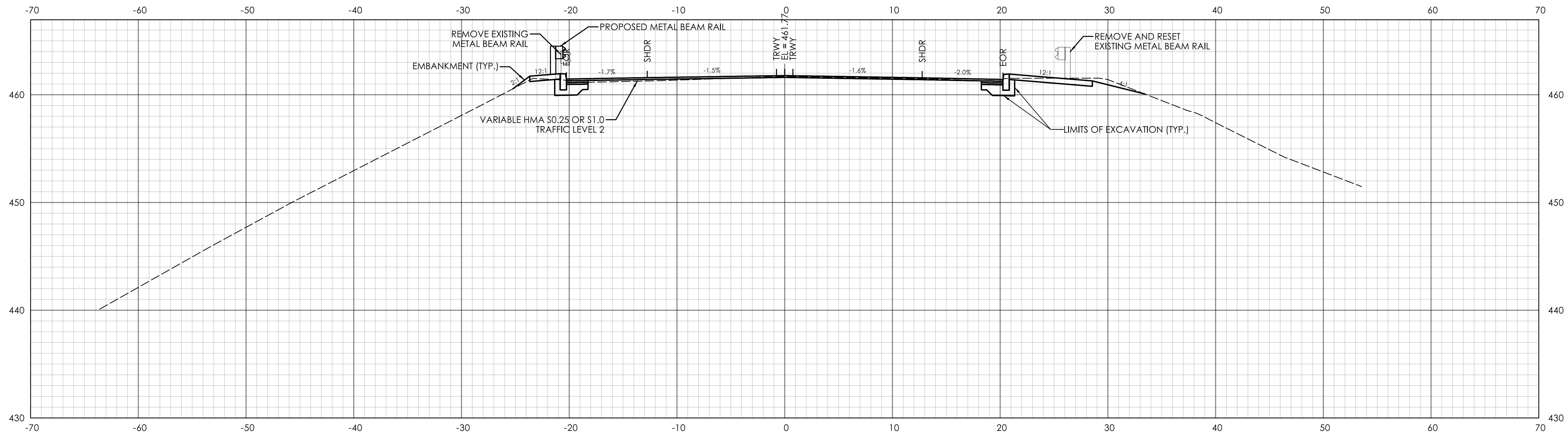
TOWN(S):  
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DRAWING TITLE:  
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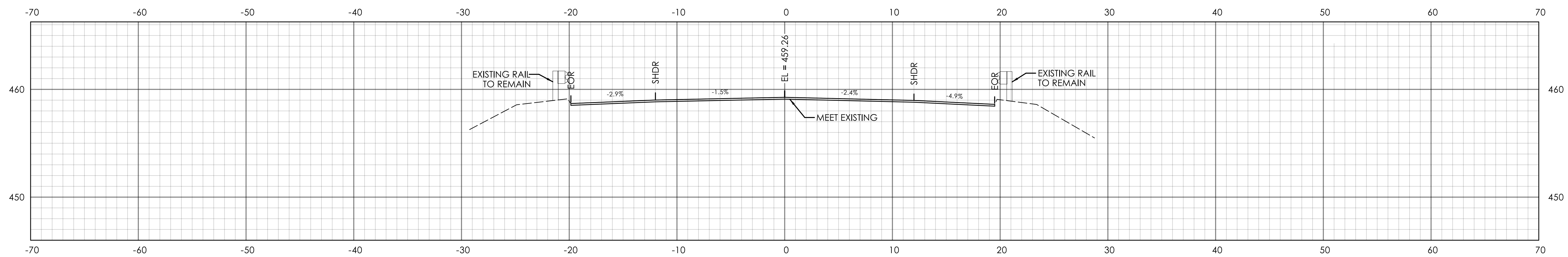
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**0141-0158**

DRAWING NO.:  
**SED-01**

SHEET NO.:  
**03.16**



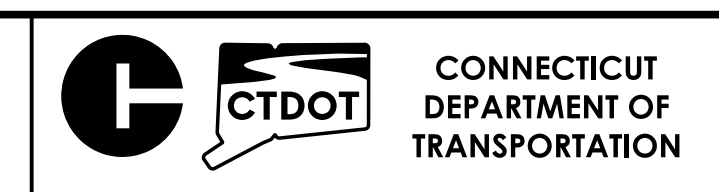
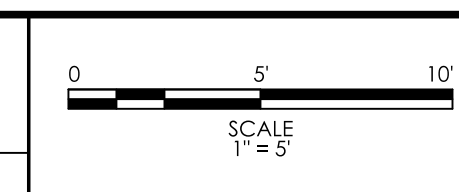
STA. 17+50.00



STA. 17+07.44

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
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 CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

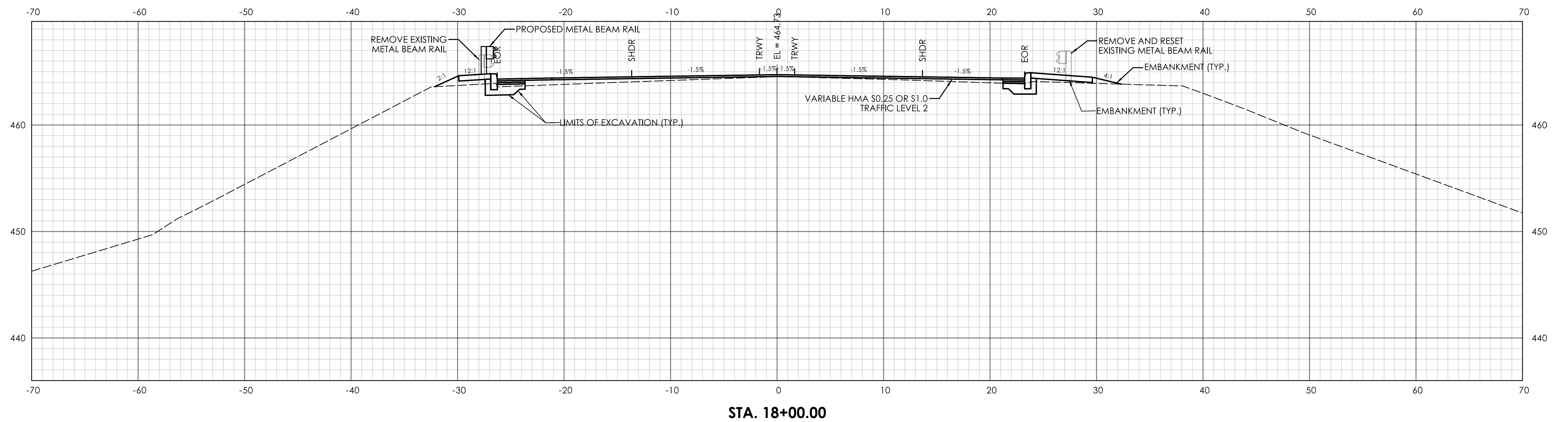
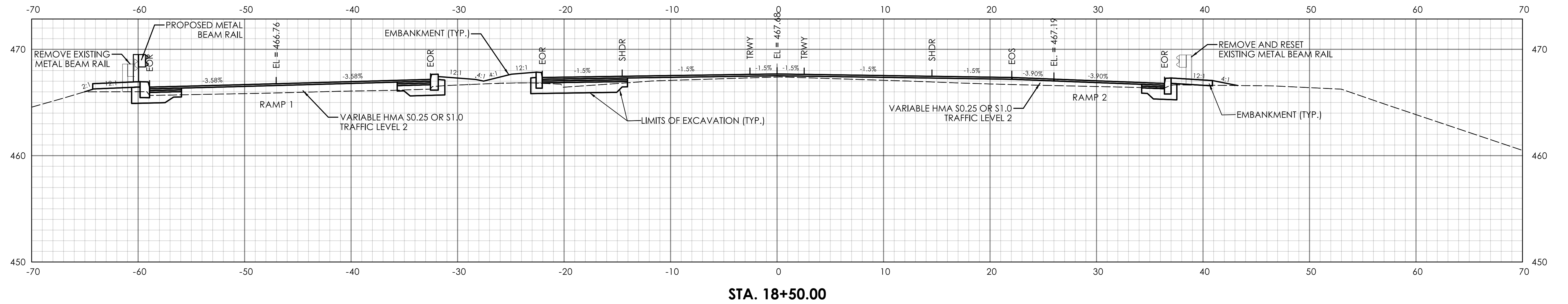
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DRAWING TITLE:  
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PROJECT NO.:  
**0141-0158**

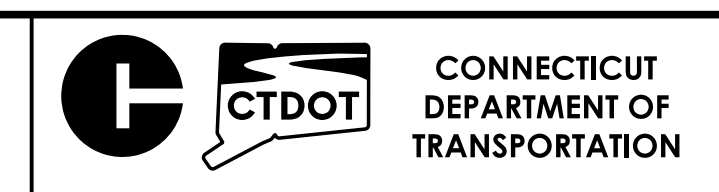
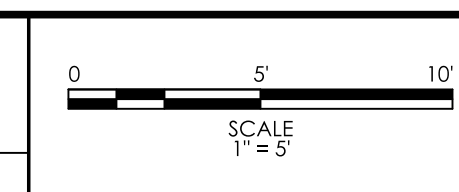
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SHEET NO.:  
 03.17



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
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PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

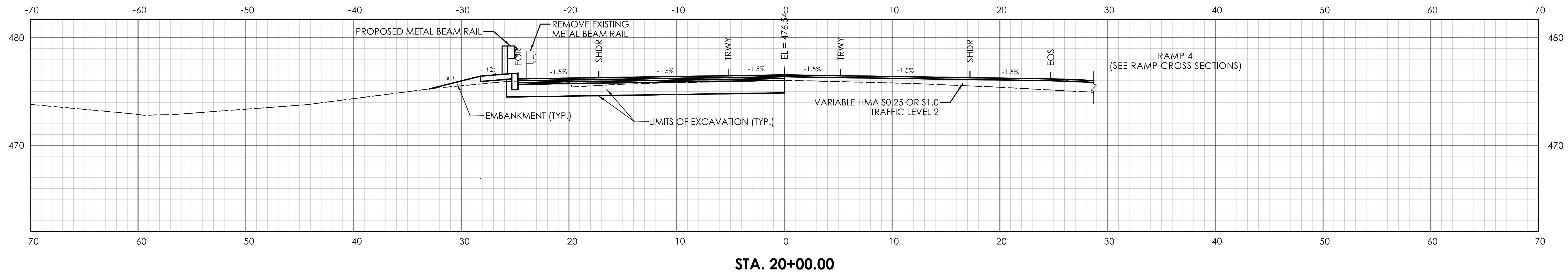
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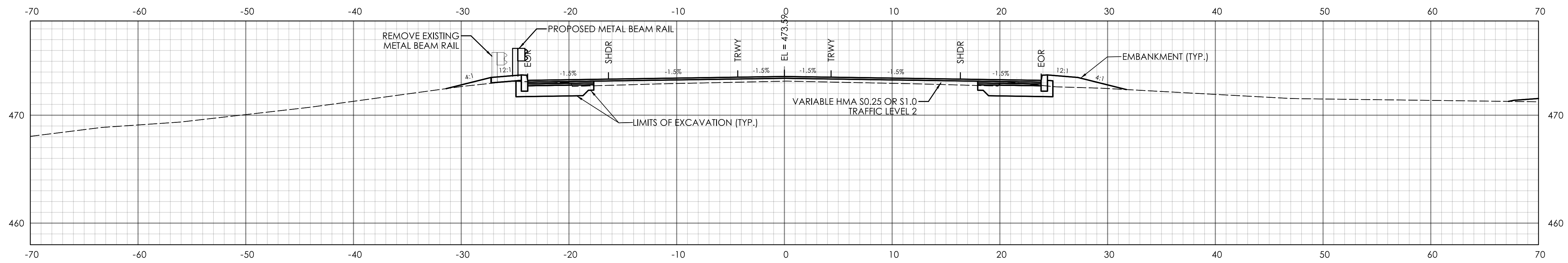
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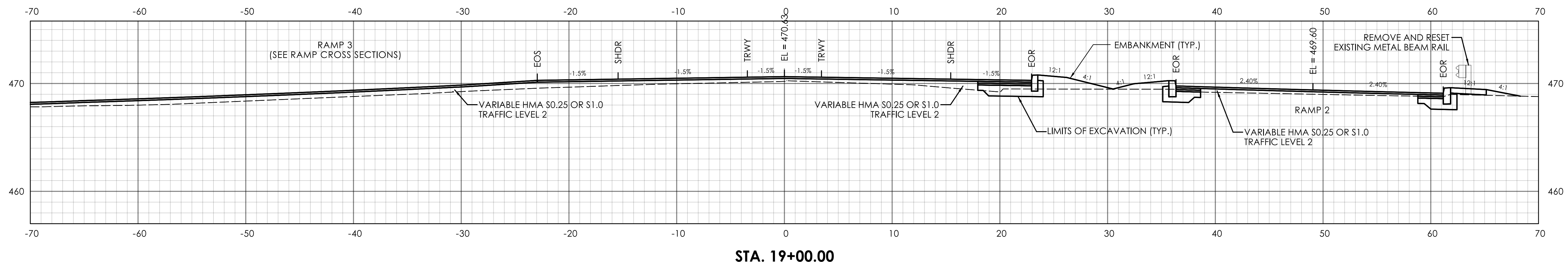
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STA. 20+00.00



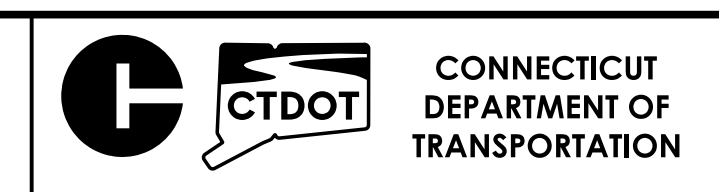
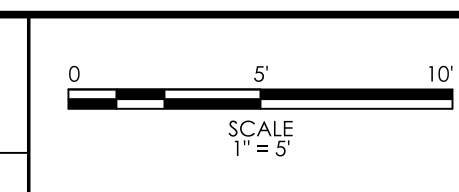
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STA. 19+00.00

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
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PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

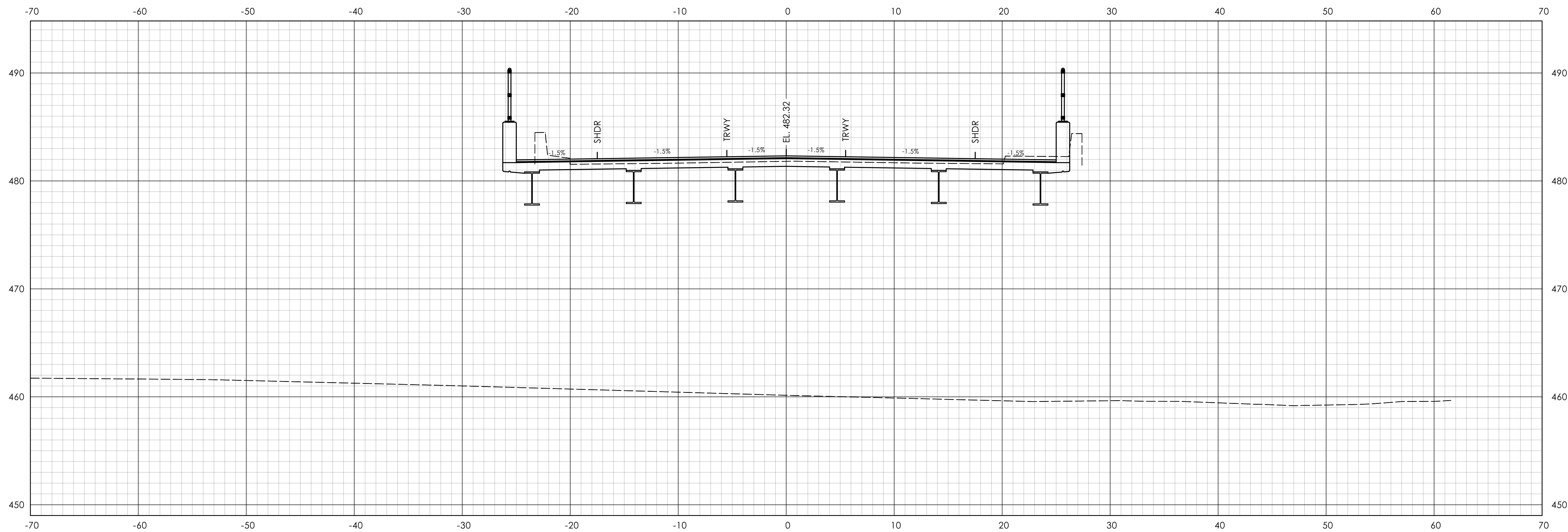
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**TOWN OF THOMPSON**

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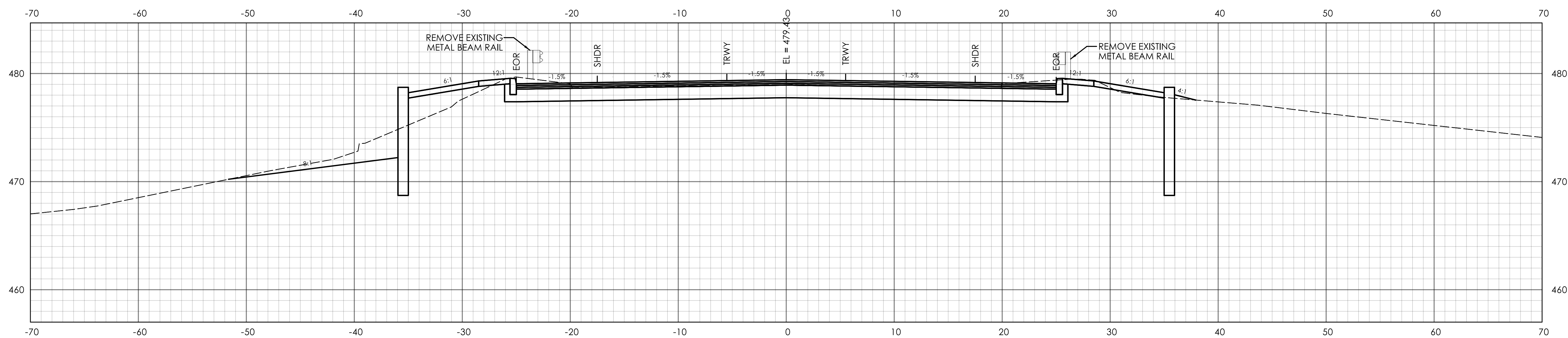
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**0141-0158**

DRAWING NO.:  
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SHEET NO.:  
 03.19



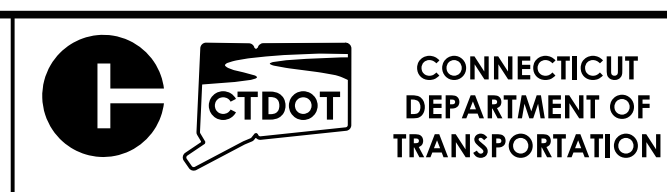
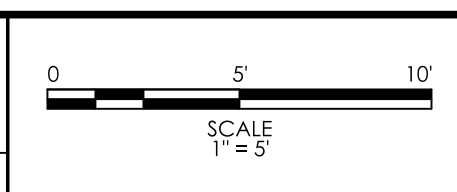
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STA. 20+50.00

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
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PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

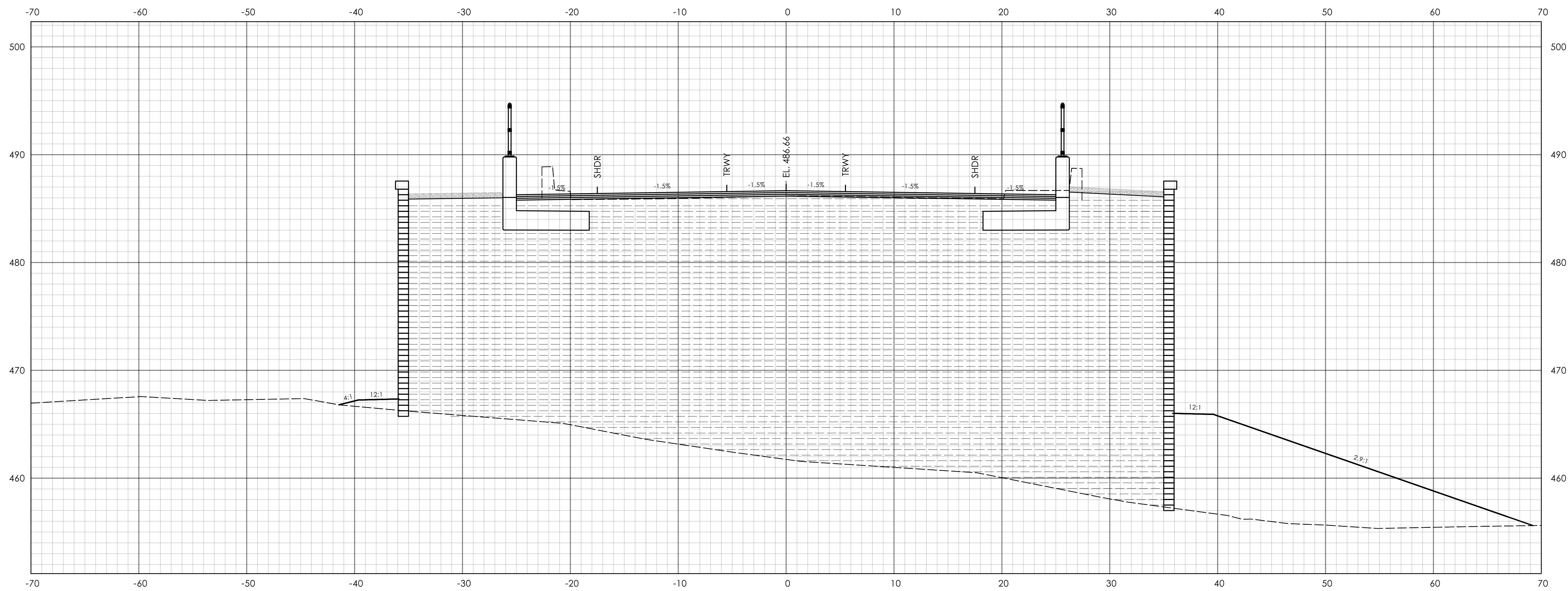
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PROJECT NO.:  
**0141-0158**

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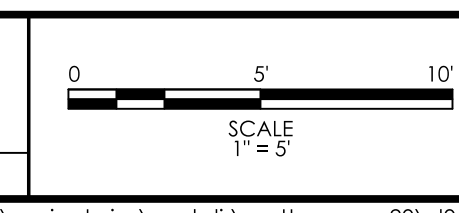
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REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
 M Mott MacDonald  
 175 Canal Street  
 4th Floor  
 Rocky Hill, CT 06067  
 DESIGNER/DRAFTER: MDK CHECKED BY: FHB

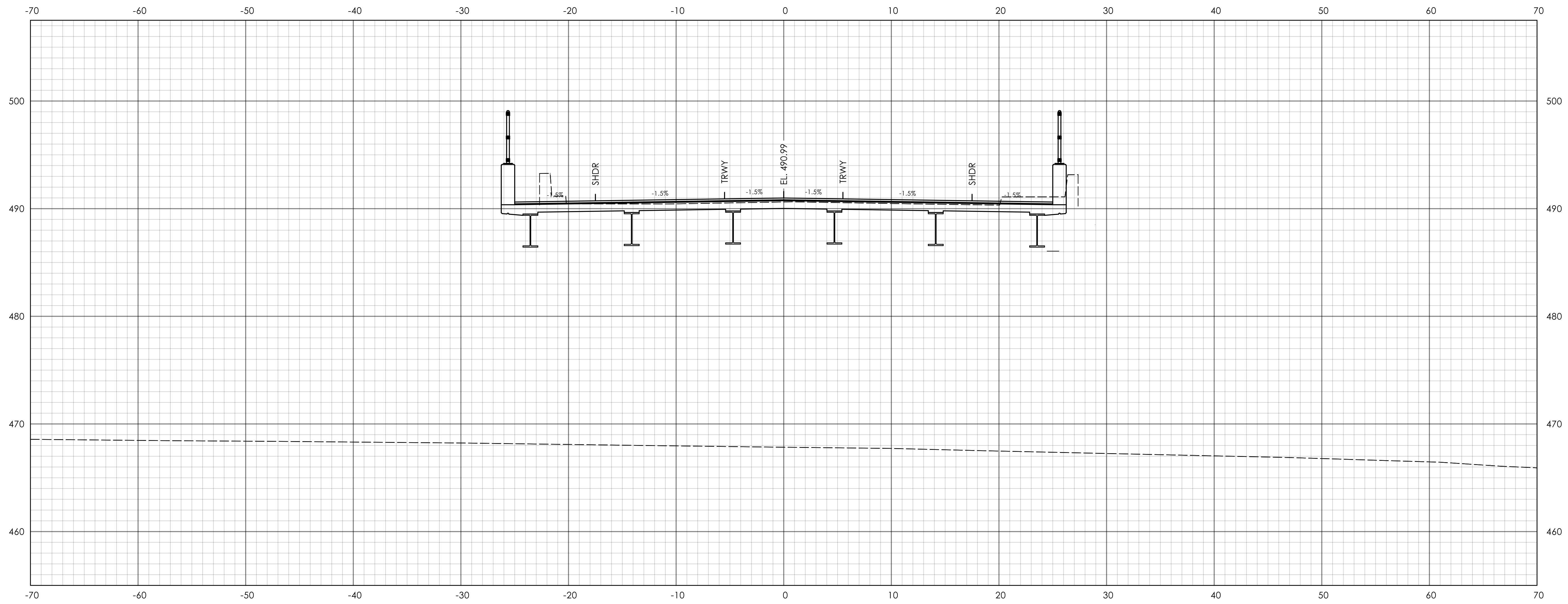


PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
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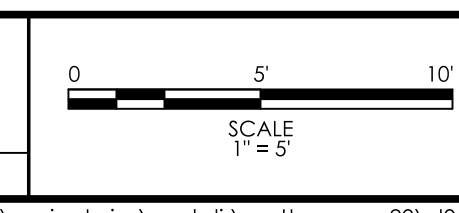
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**0141-0158**  
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 SHEET NO.:  
 03.21



STA. 22+50.00

REV.	DATE	REVISION DESCRIPTION

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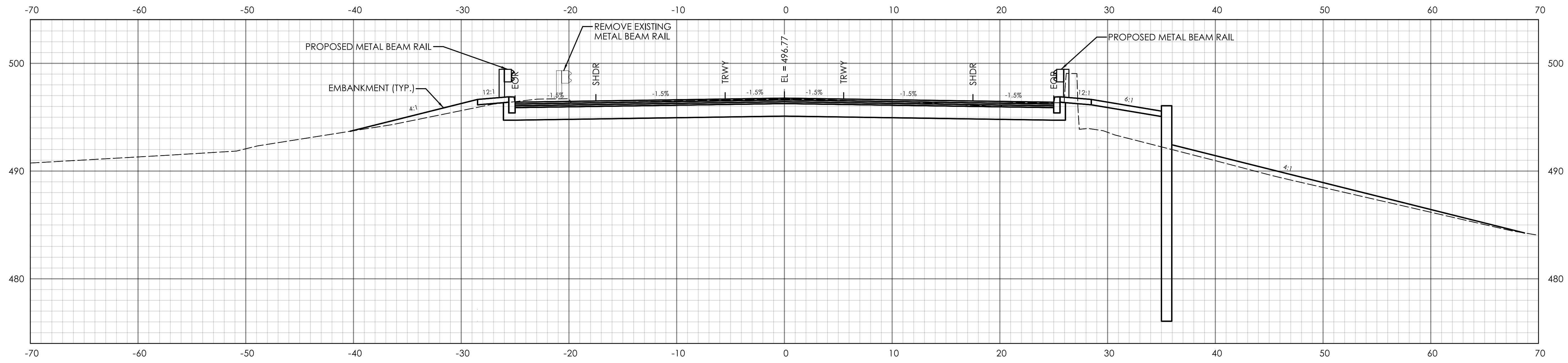
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**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

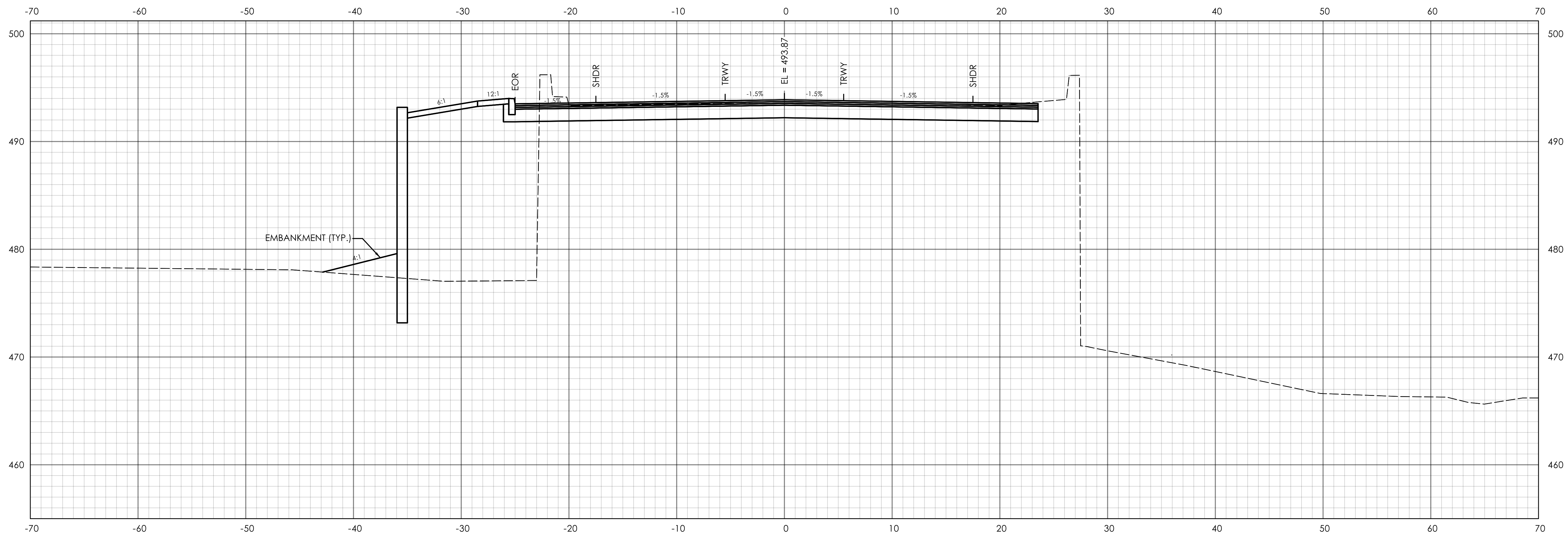
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PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
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 SHEET NO.:  
 03.22



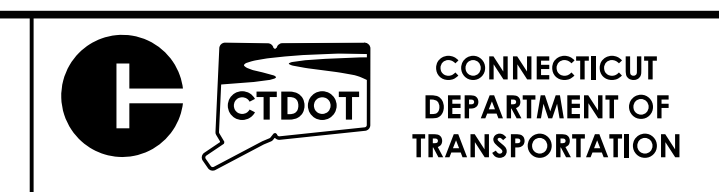
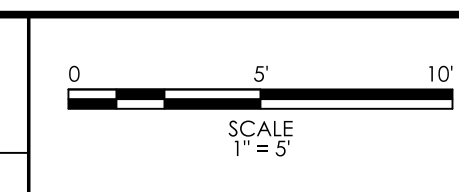
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STA. 23+00.00

REV.	DATE	REVISION DESCRIPTION

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PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

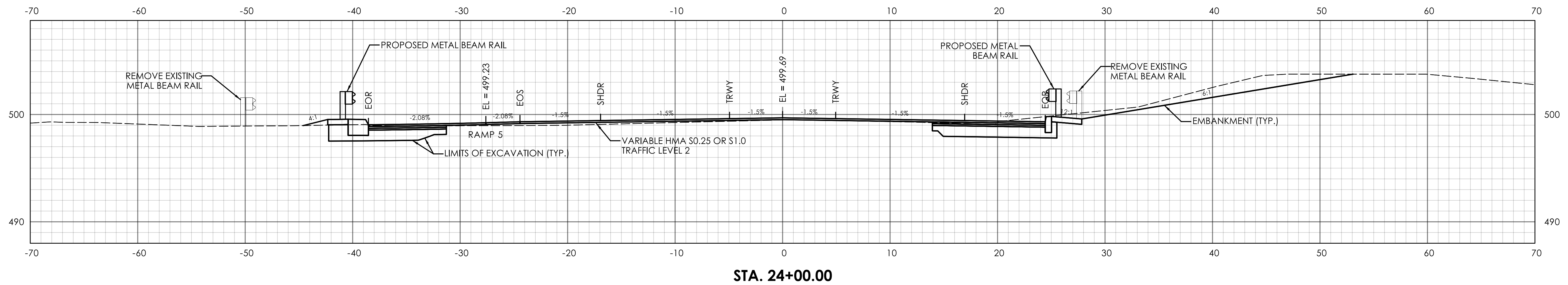
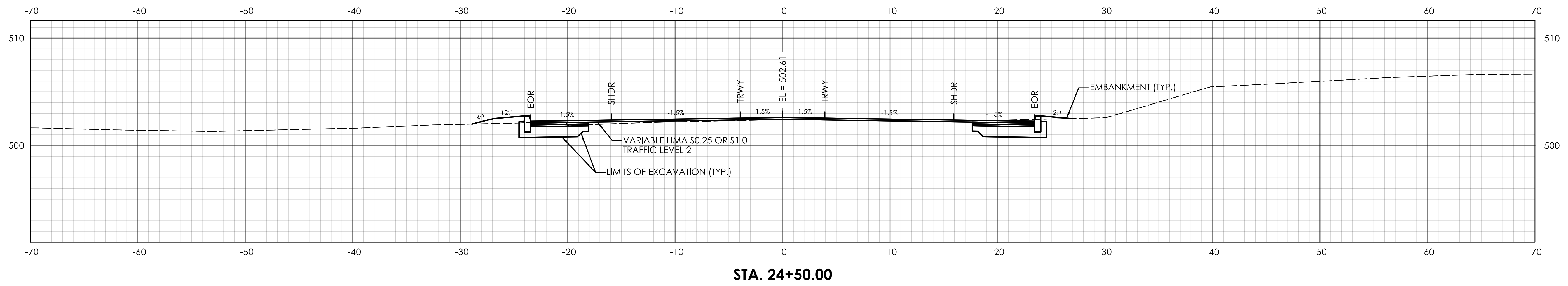
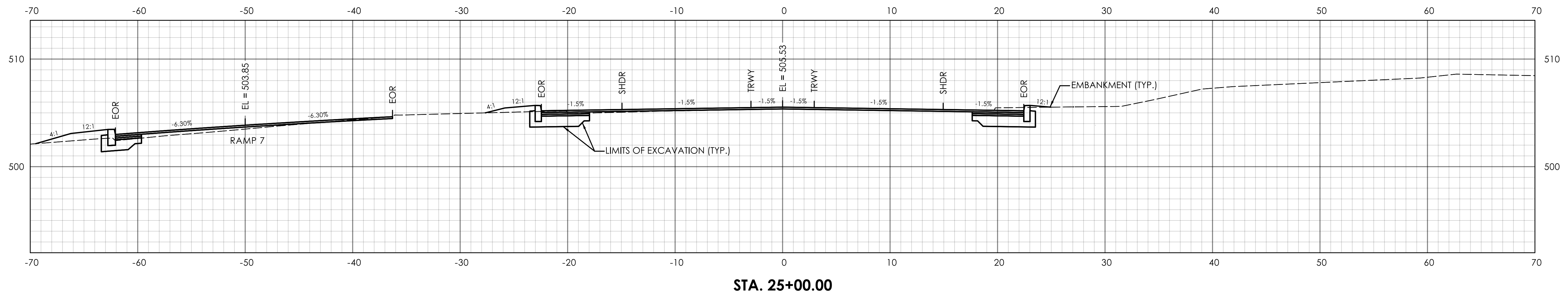
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**TOWN OF THOMPSON**

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PROJECT NO.:  
**0141-0158**

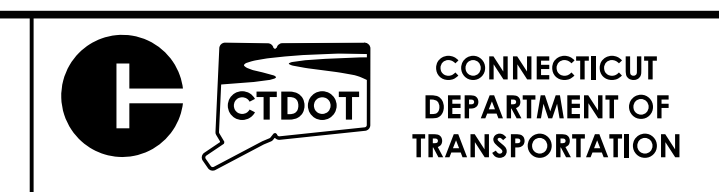
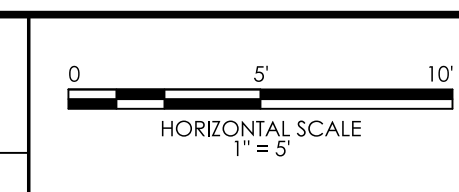
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SHEET NO.:  
 03.23



REV.	DATE	REVISION DESCRIPTION

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PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

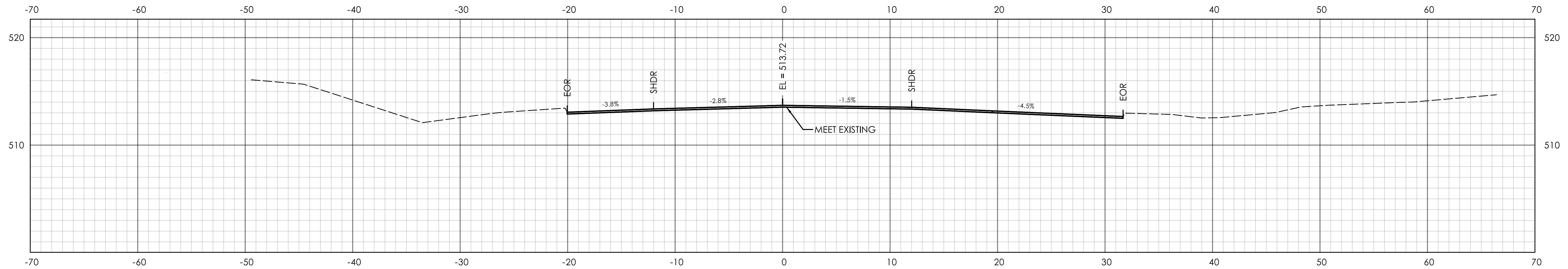
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**TOWN OF THOMPSON**

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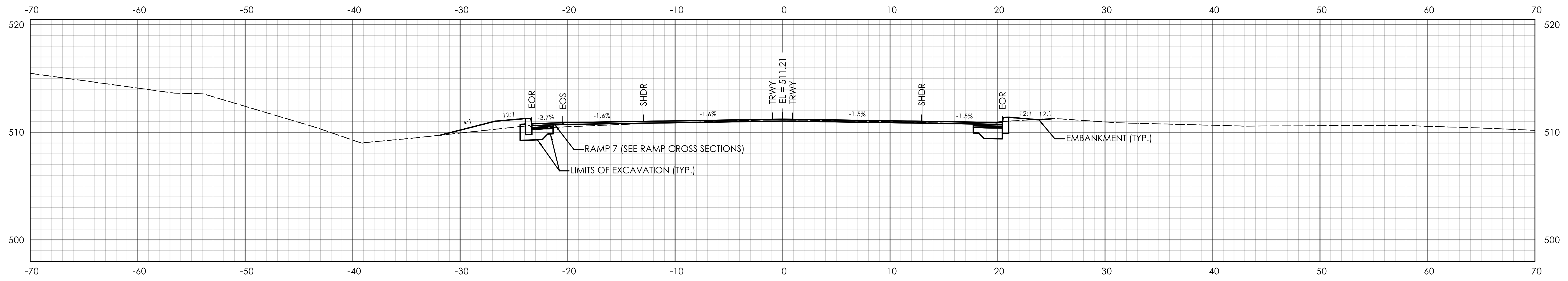
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**0141-0158**

DRAWING NO.:  
**XSC-08**

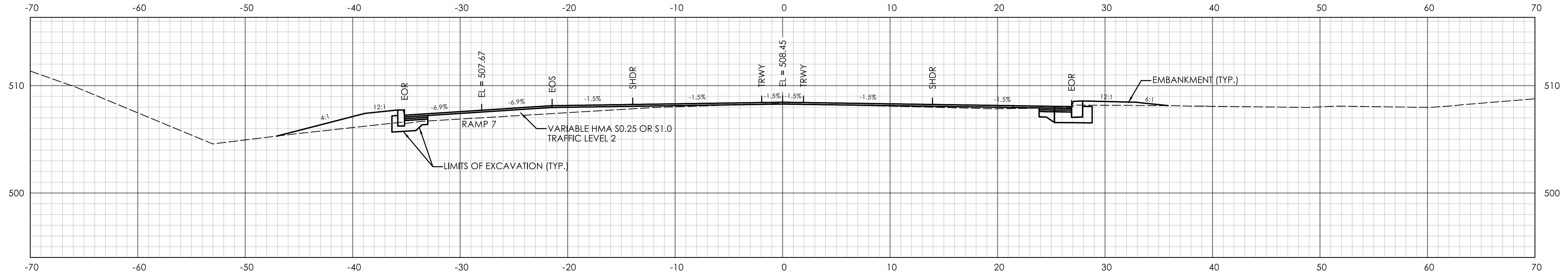
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STA. 26+47.43



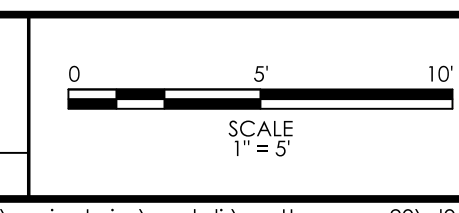
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STA. 25+50.00

REV.	DATE	REVISION DESCRIPTION

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 CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

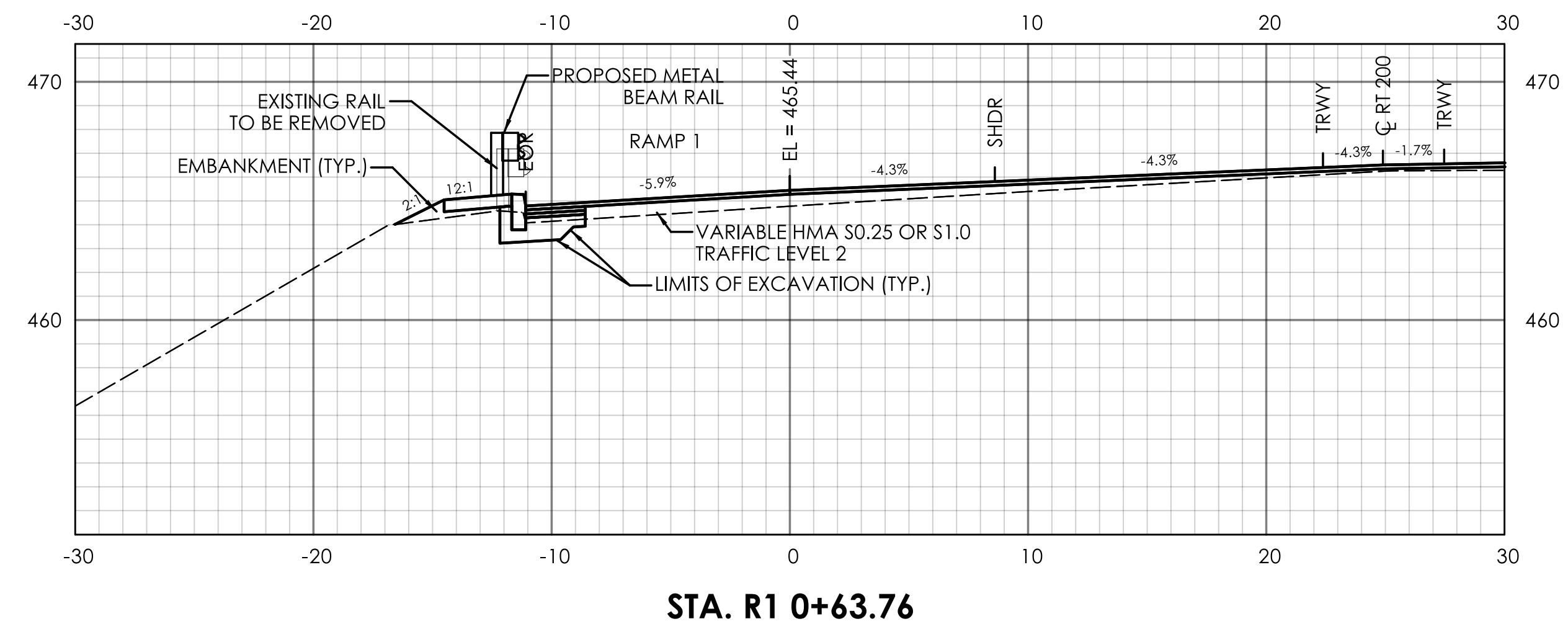
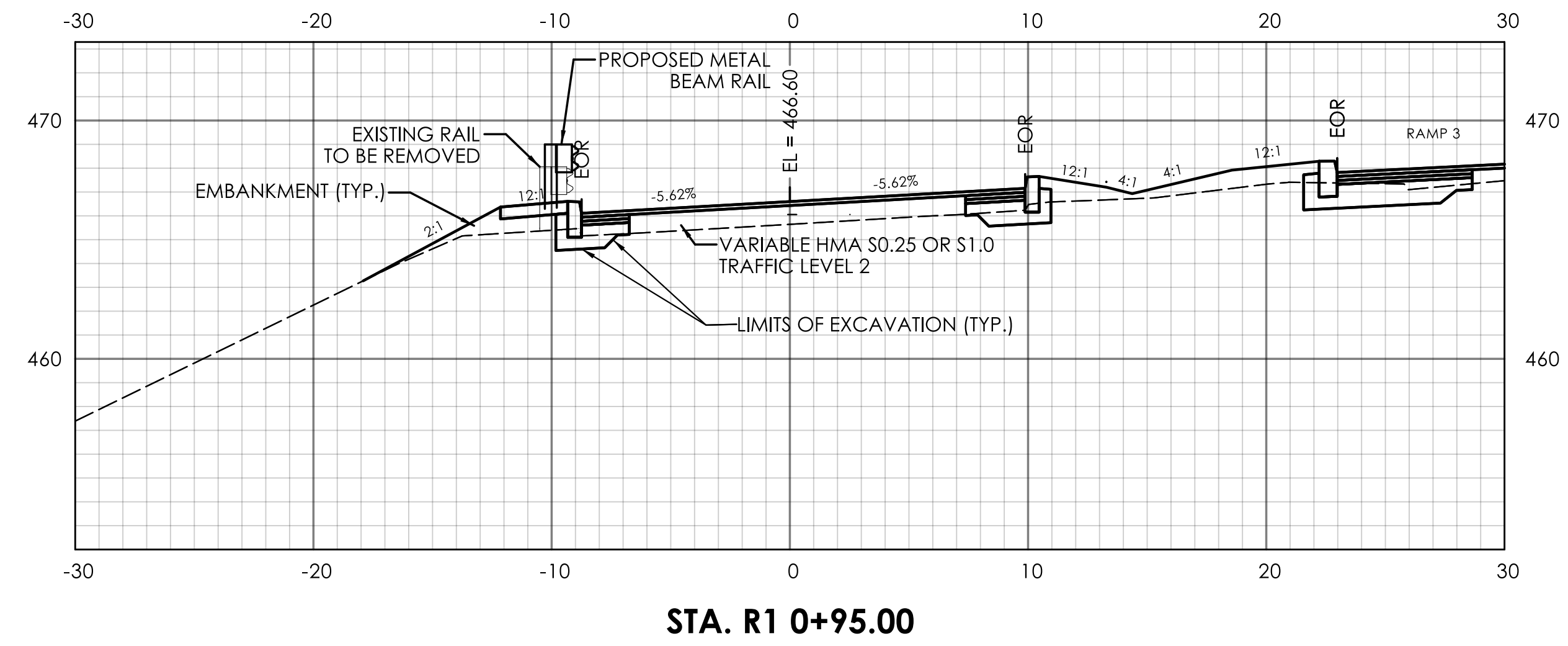
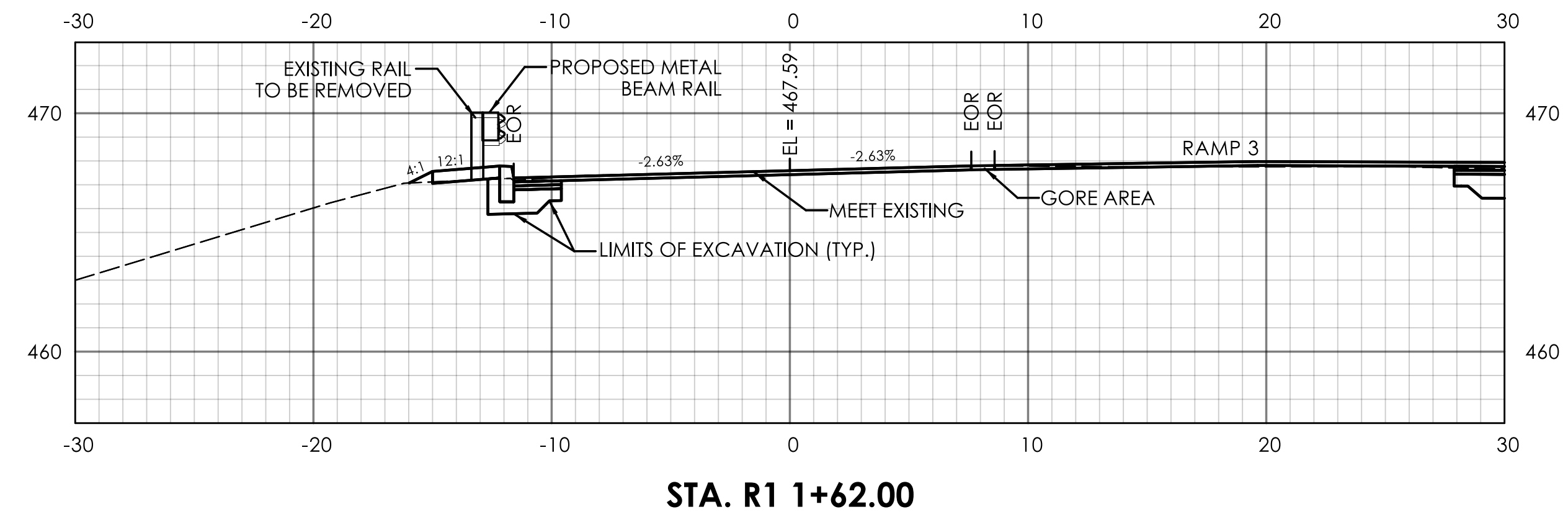
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**TOWN OF THOMPSON**

DRAWING TITLE:  
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PROJECT NO.:  
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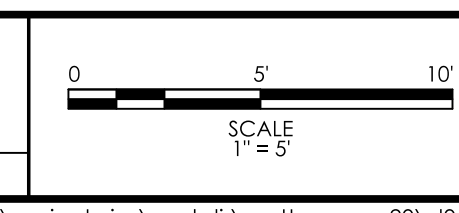
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SHEET NO.:  
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REV.	DATE	REVISION DESCRIPTION

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PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

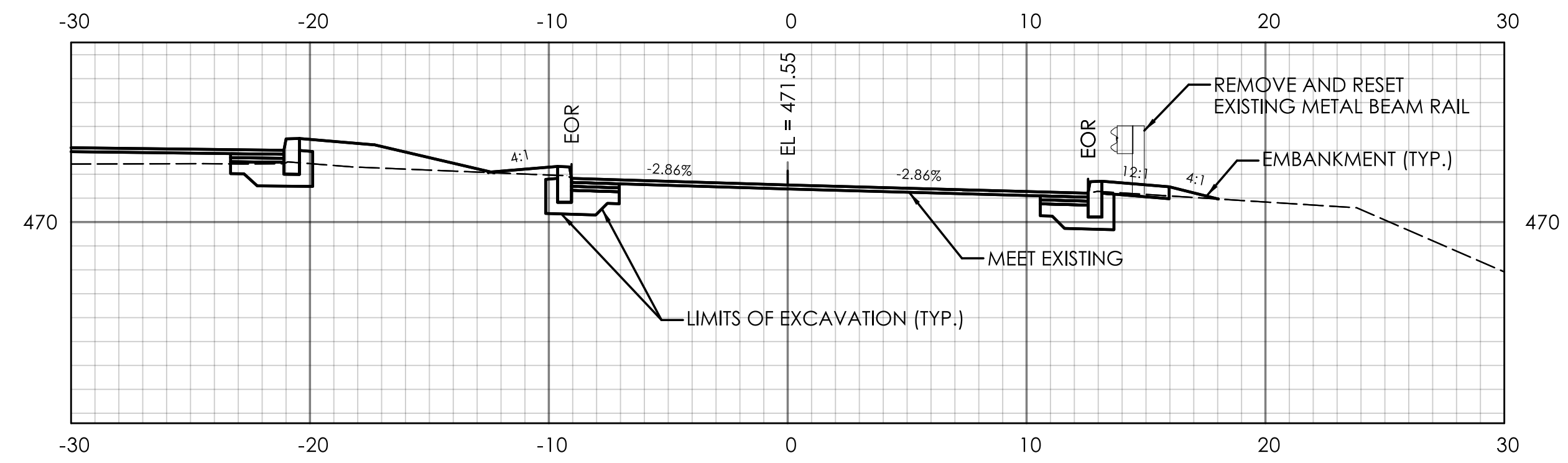
TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
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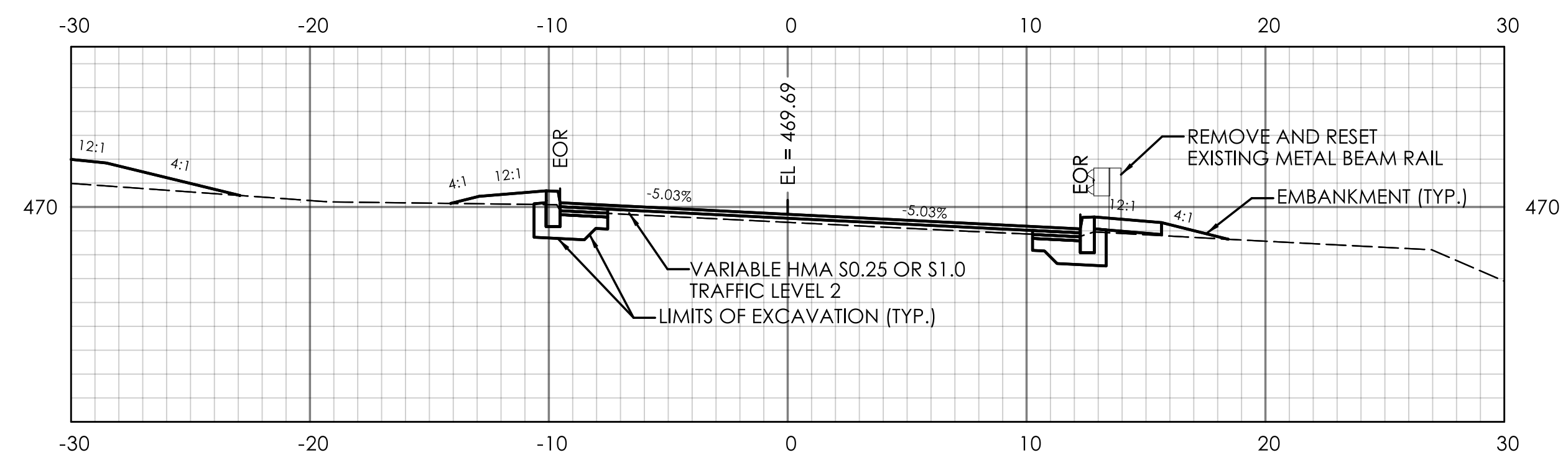
PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
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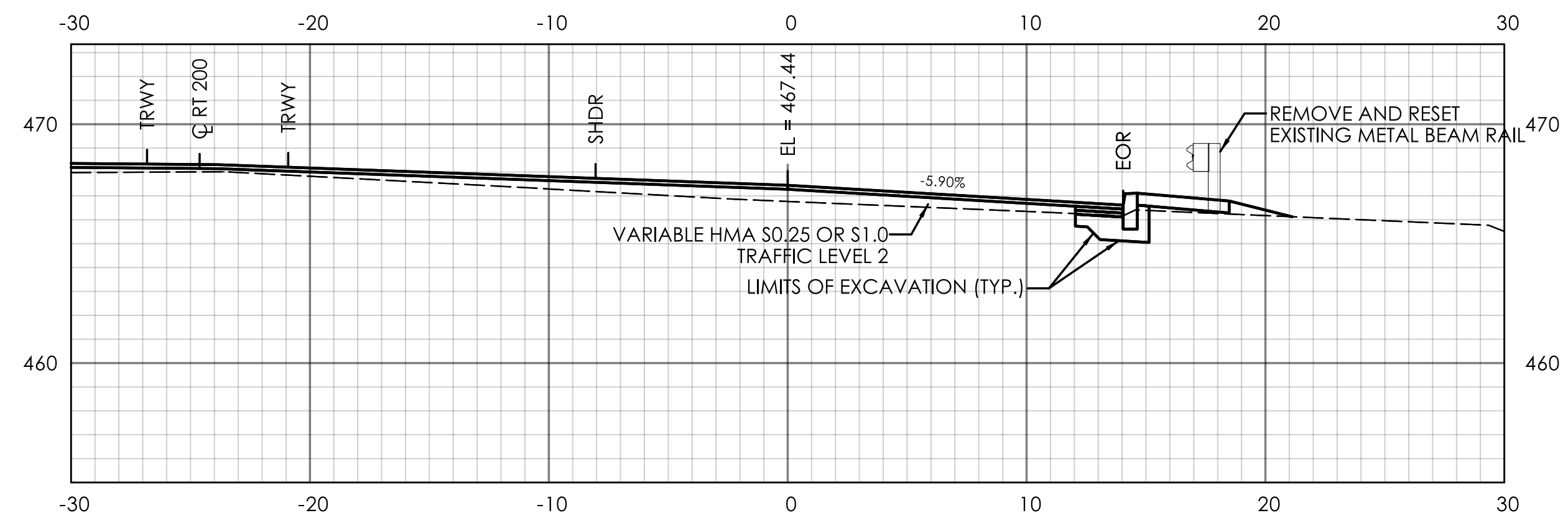
SHEET NO.:  
 03.26



STA. R2 2+35.56



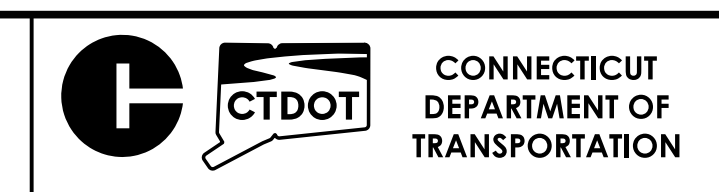
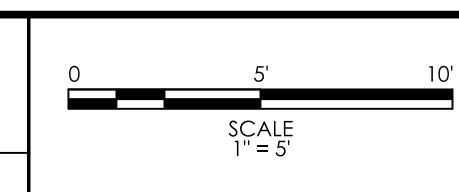
STA. R2 1+50.00



STA. R2 0+88.17

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
 DESIGNER/DRAFTER: MDK  
 CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

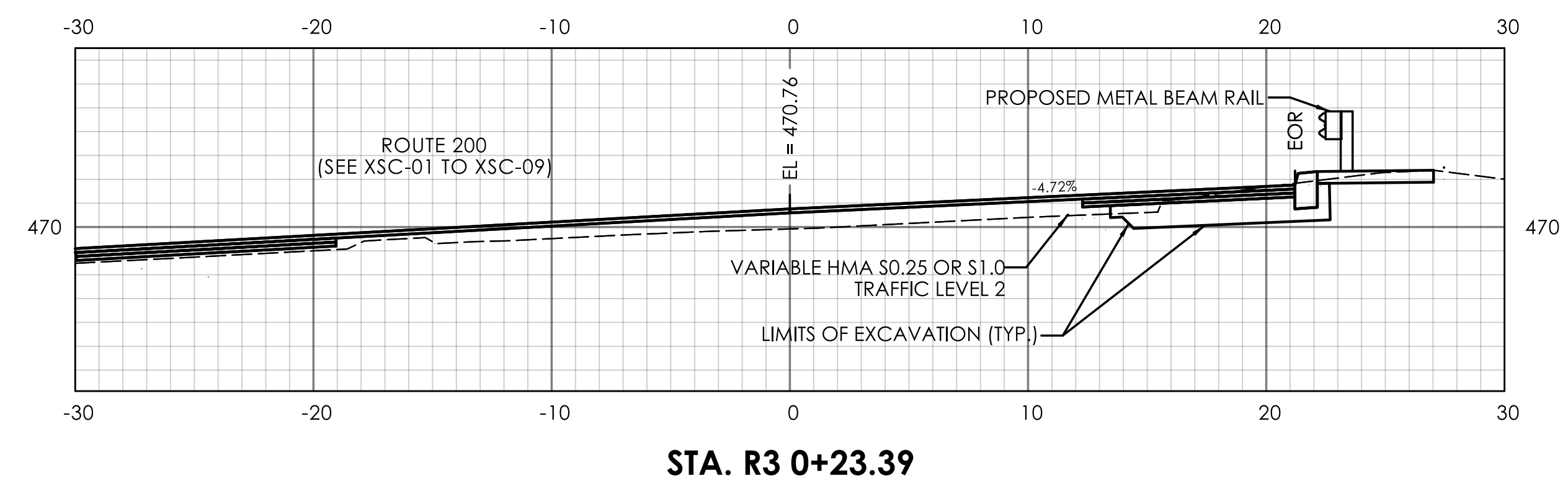
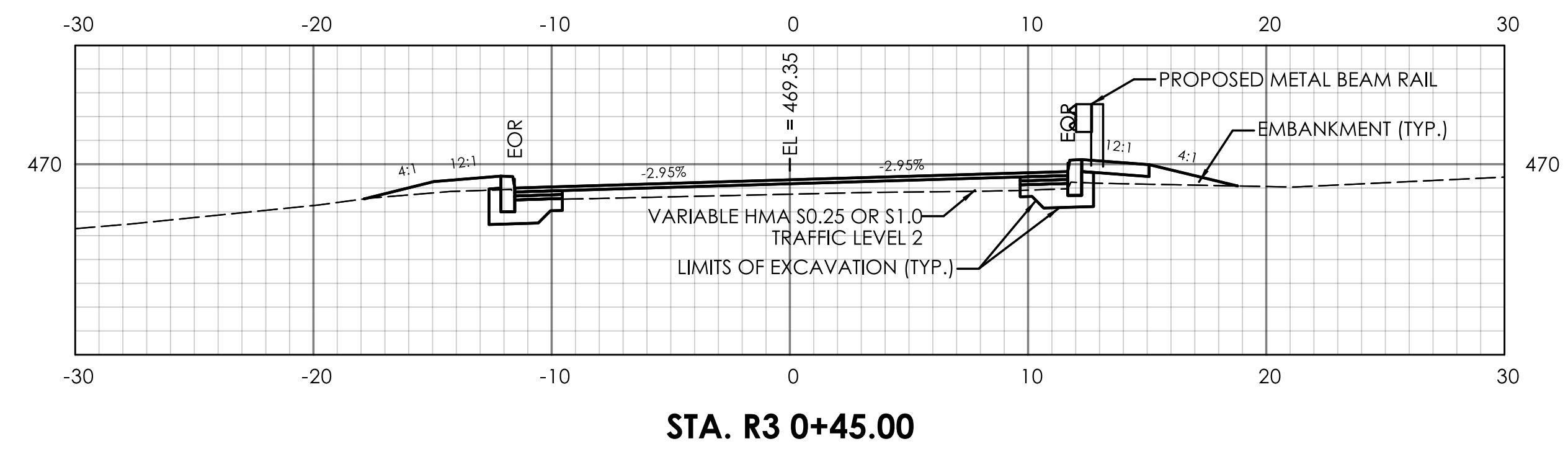
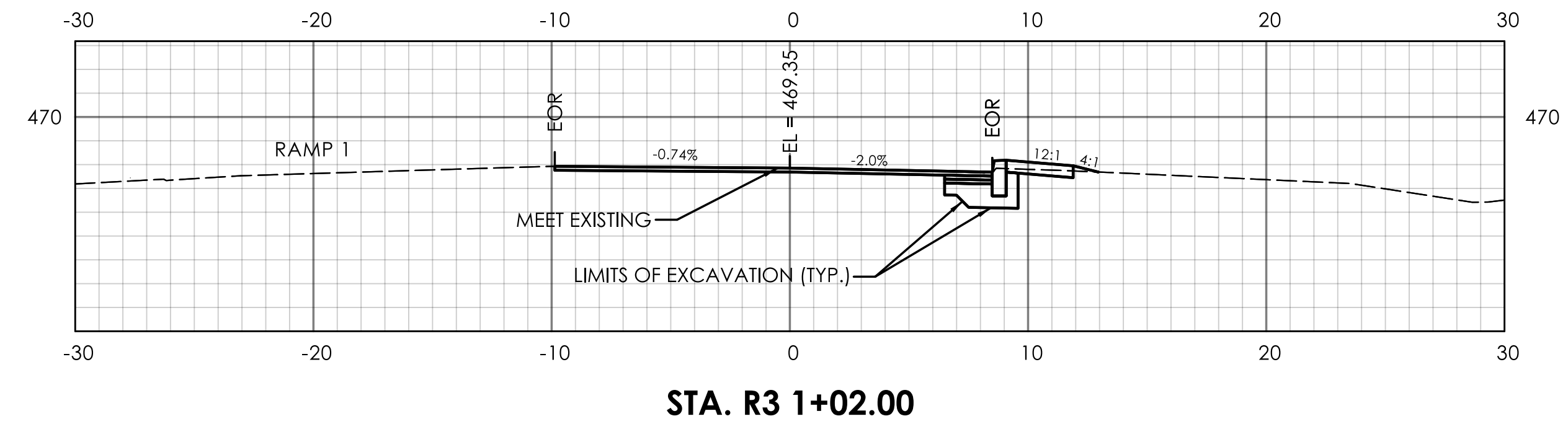
TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
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PROJECT NO.:  
**0141-0158**

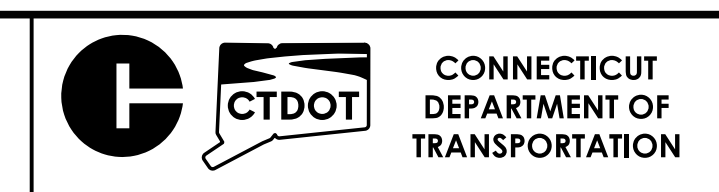
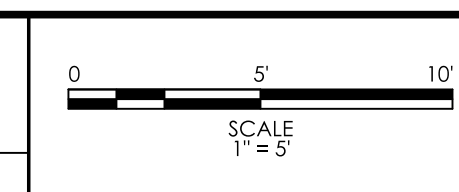
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SHEET NO.:  
 03.27



REV.	DATE	REVISION DESCRIPTION

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PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

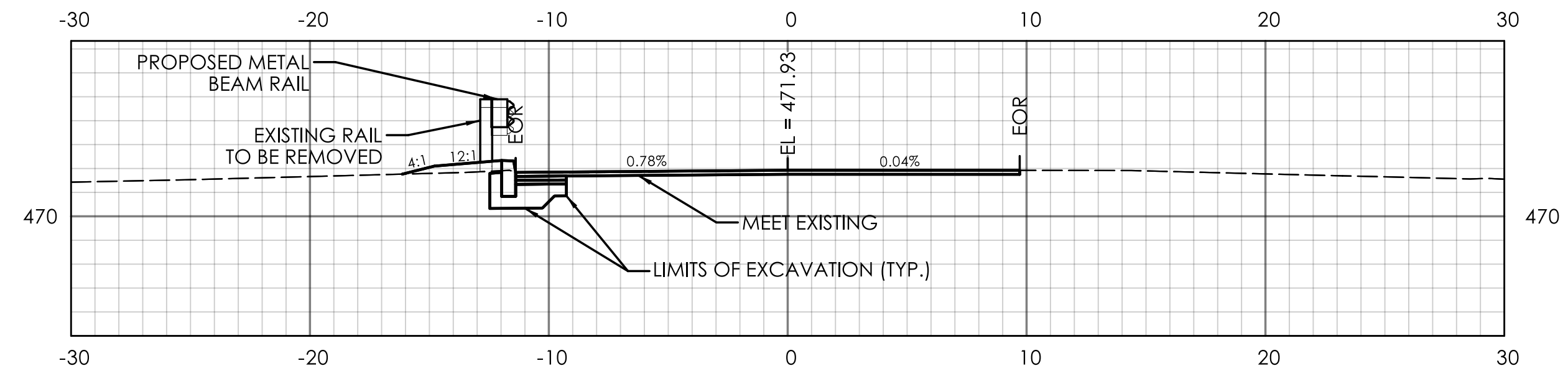
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**TOWN OF THOMPSON**

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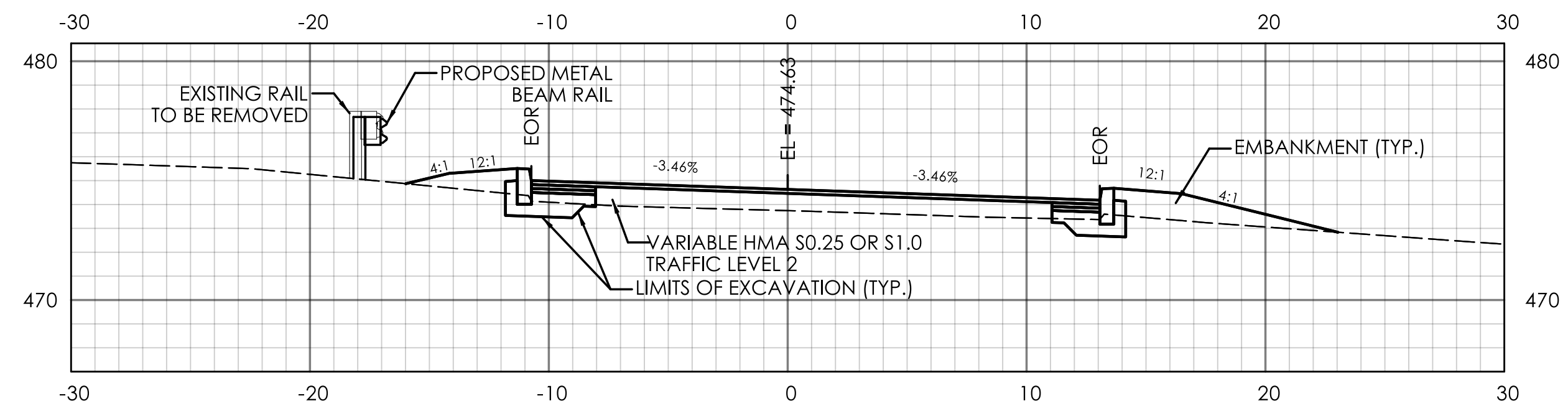
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**0141-0158**

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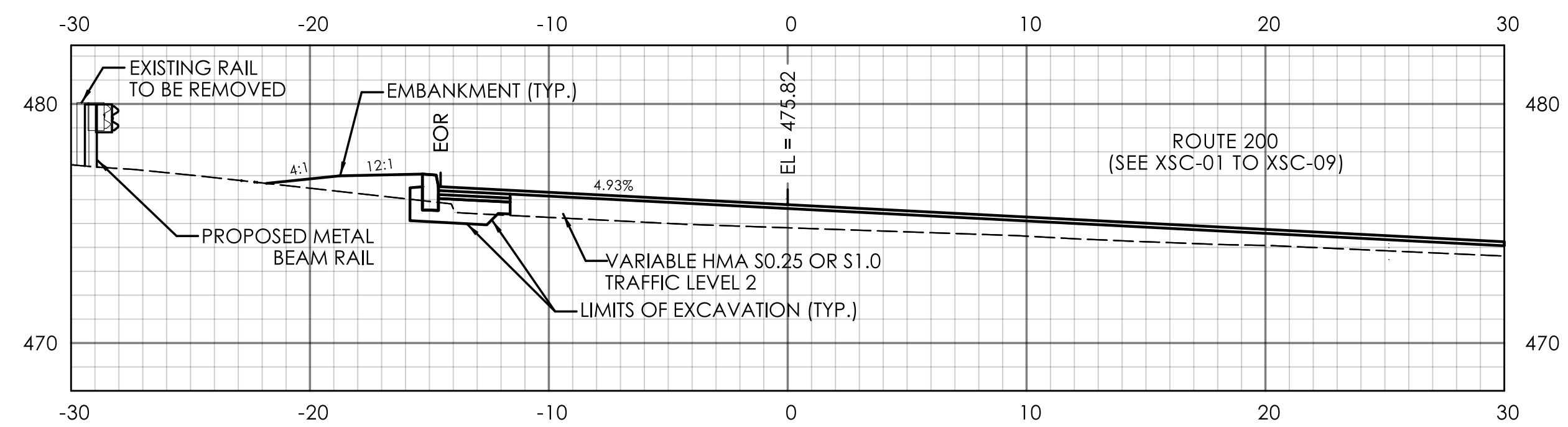
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STA. R4 1+42.00



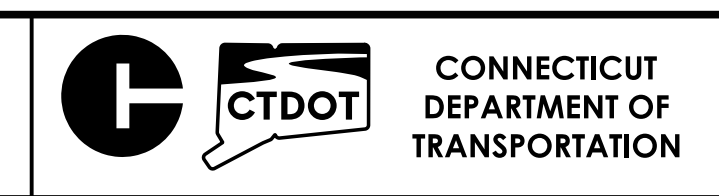
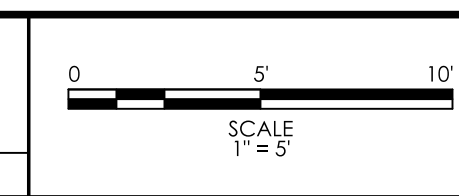
STA. R4 0+50.00



STA. R4 0+26.83

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
 MOTT MACDONALD  
 175 Canal Street  
 4th Floor  
 Rocky Hill, CT 06067  
 DESIGNER/DRAFTER: MDK CHECKED BY: FHB

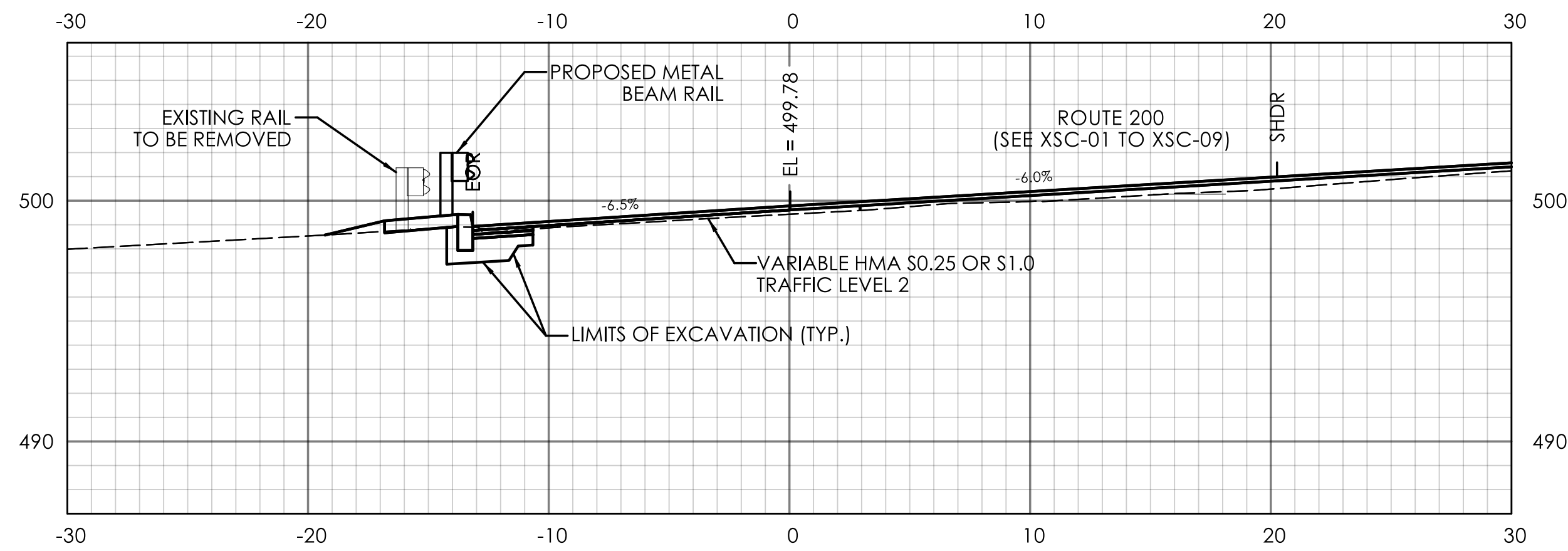


PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

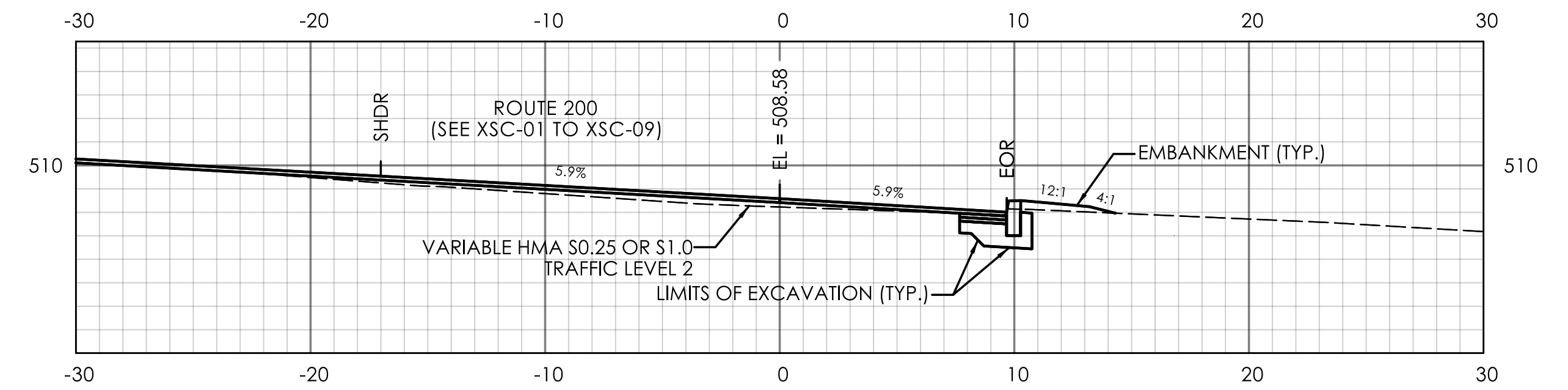
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**TOWN OF THOMPSON**

DRAWING TITLE:  
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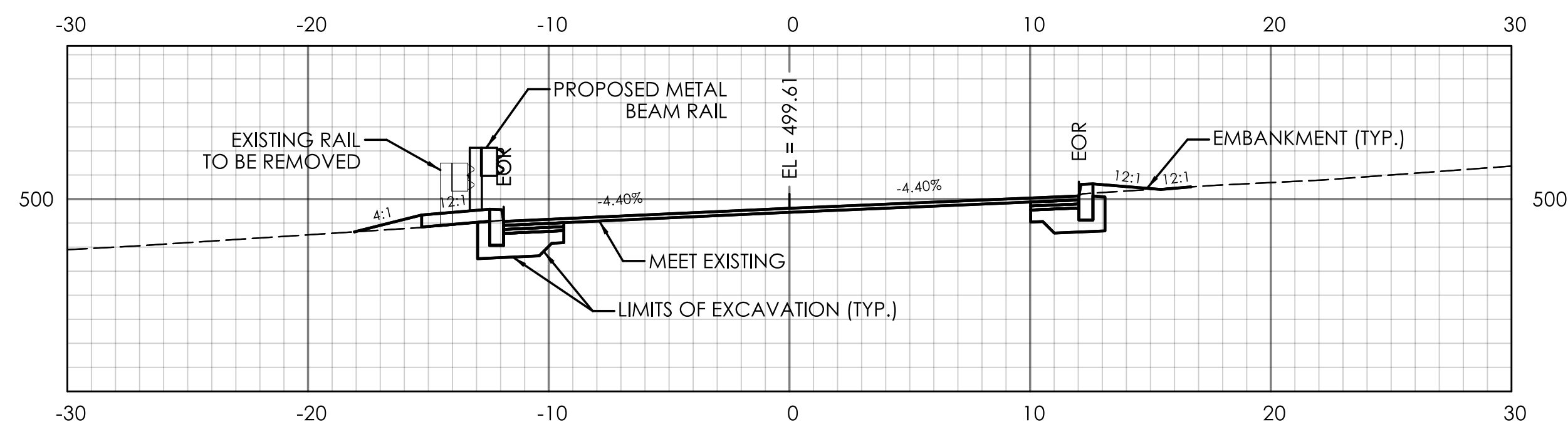
PROJECT NO.:  
**0141-0158**  
 DRAWING NO.:  
**XSC-13**  
 SHEET NO.:  
 03.29



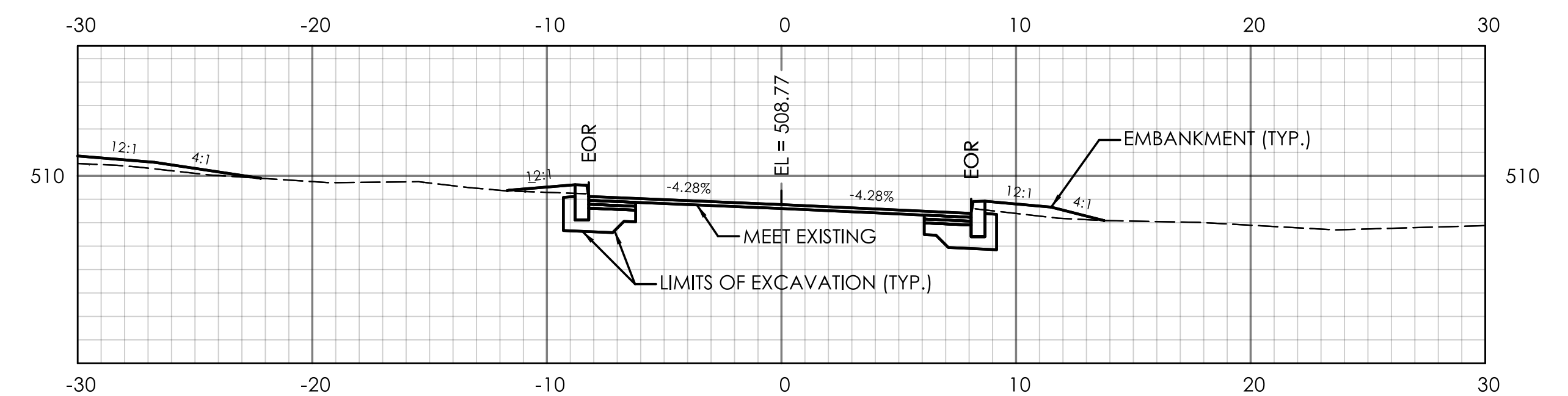
STA. R5 0+29.01



STA. R6 0+24.37



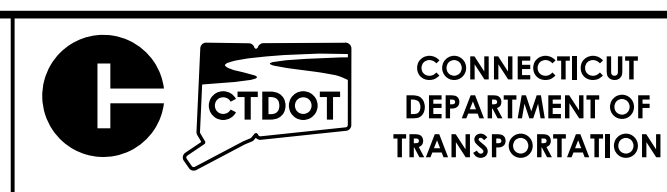
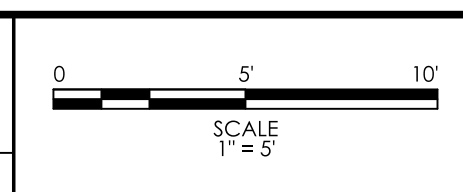
STA. R5 0+45.01



STA. R6 0+40.14

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
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 CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

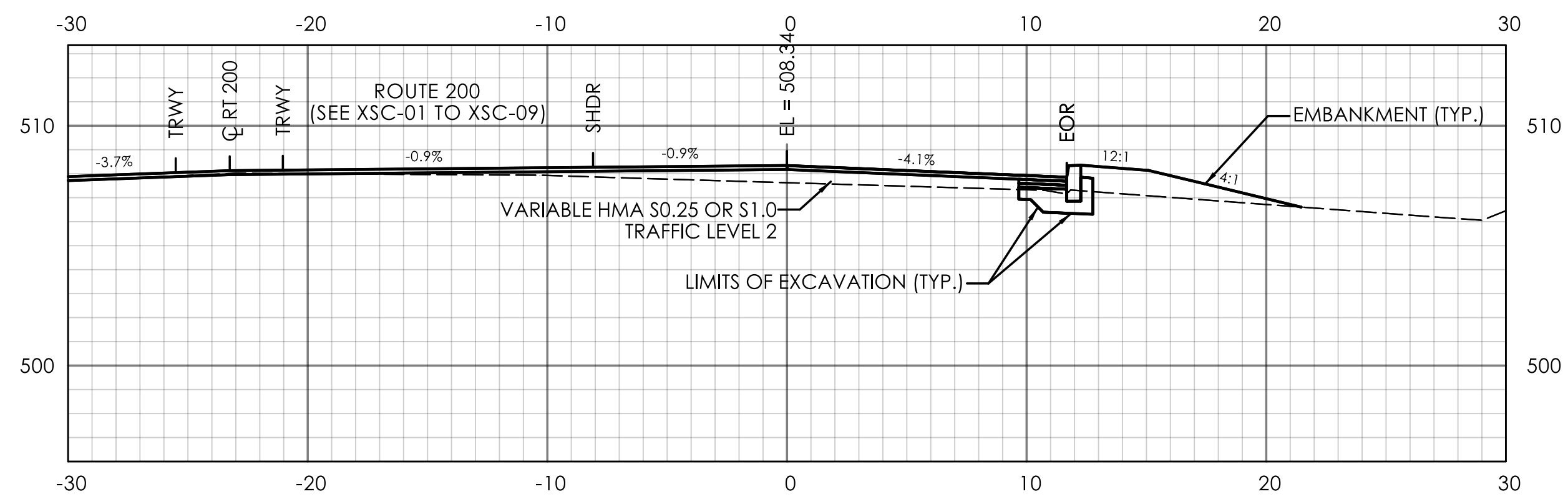
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**TOWN OF THOMPSON**

DRAWING TITLE:  
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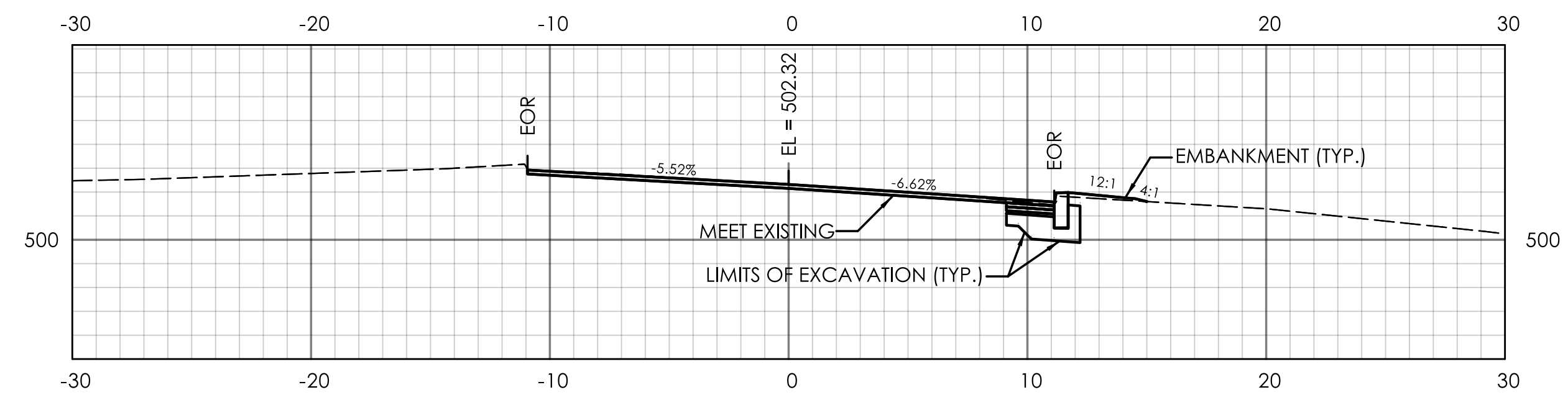
PROJECT NO.:  
**0141-0158**

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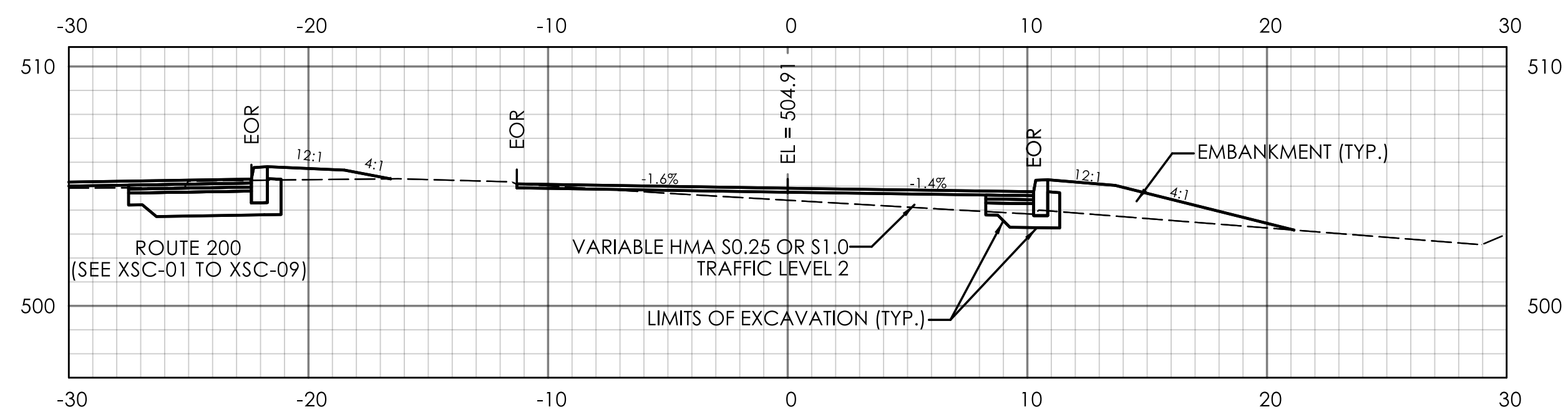
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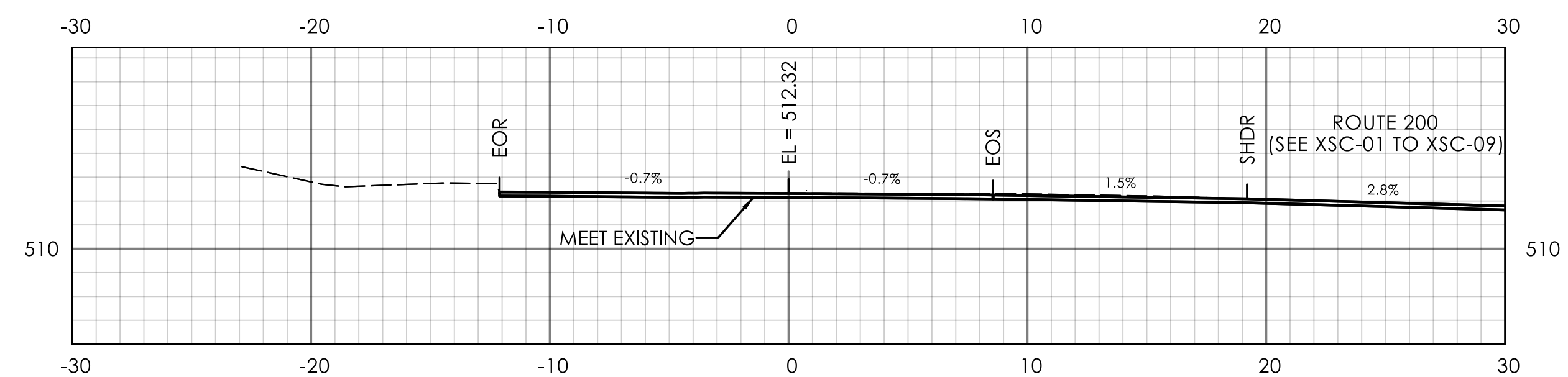
STA. R7 0+69.49



STA. R7 1+55.73



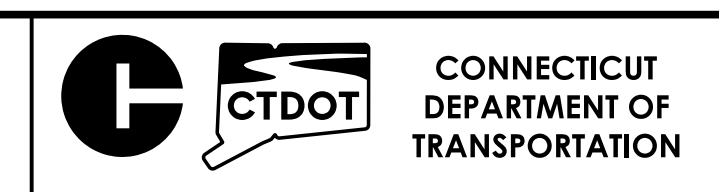
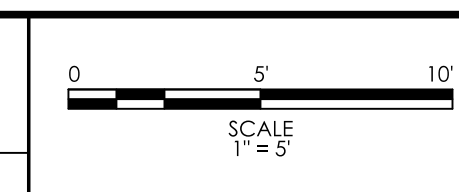
STA. R7 1+15.00



STA. R8 0+43.00

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
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 CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

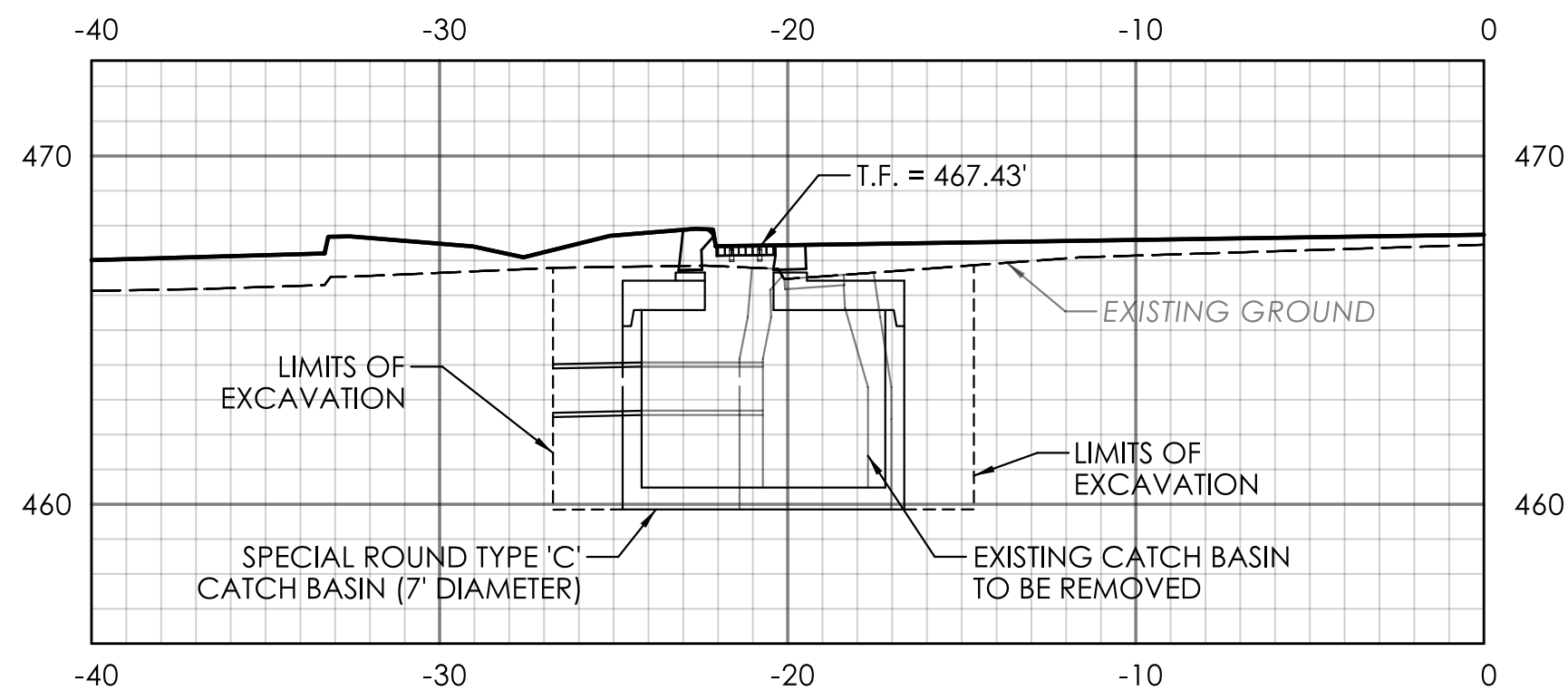
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**TOWN OF THOMPSON**

DRAWING TITLE:  
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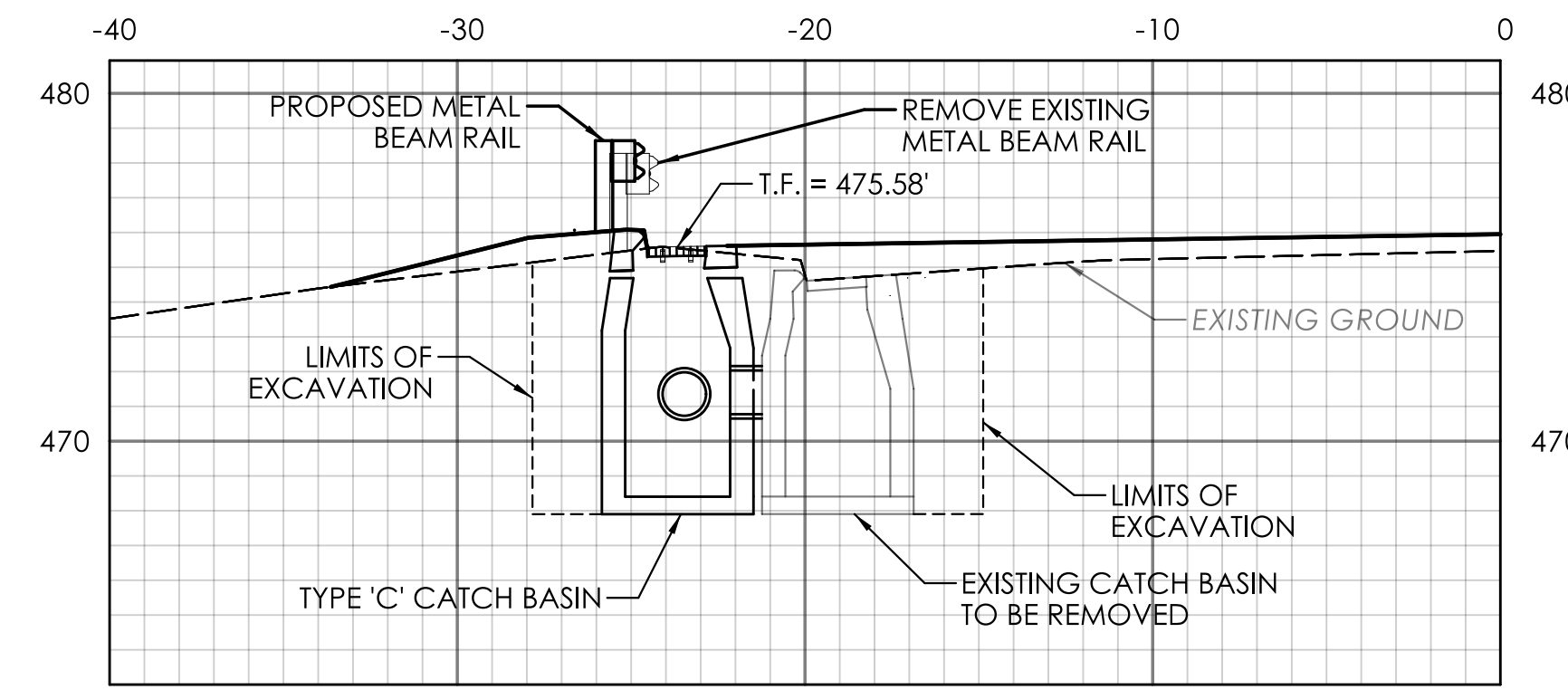
PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
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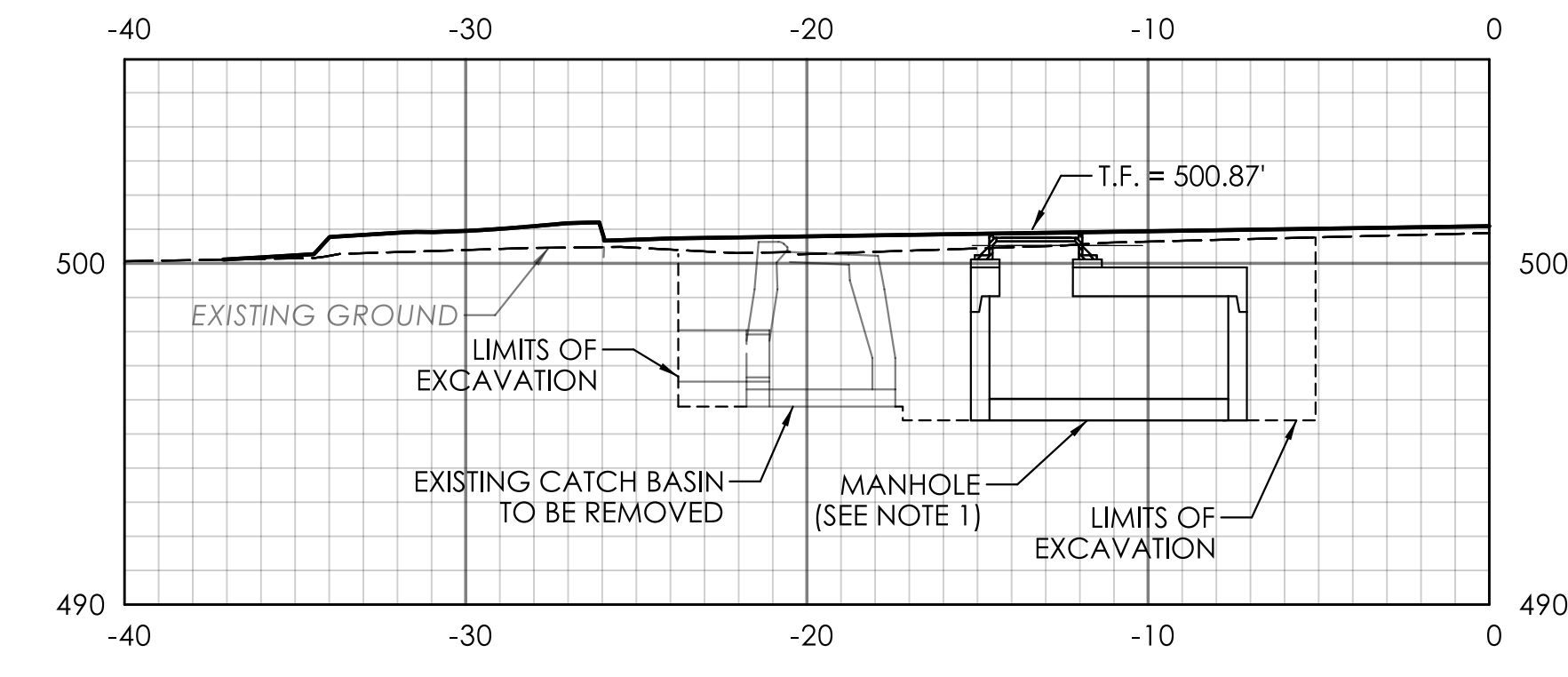
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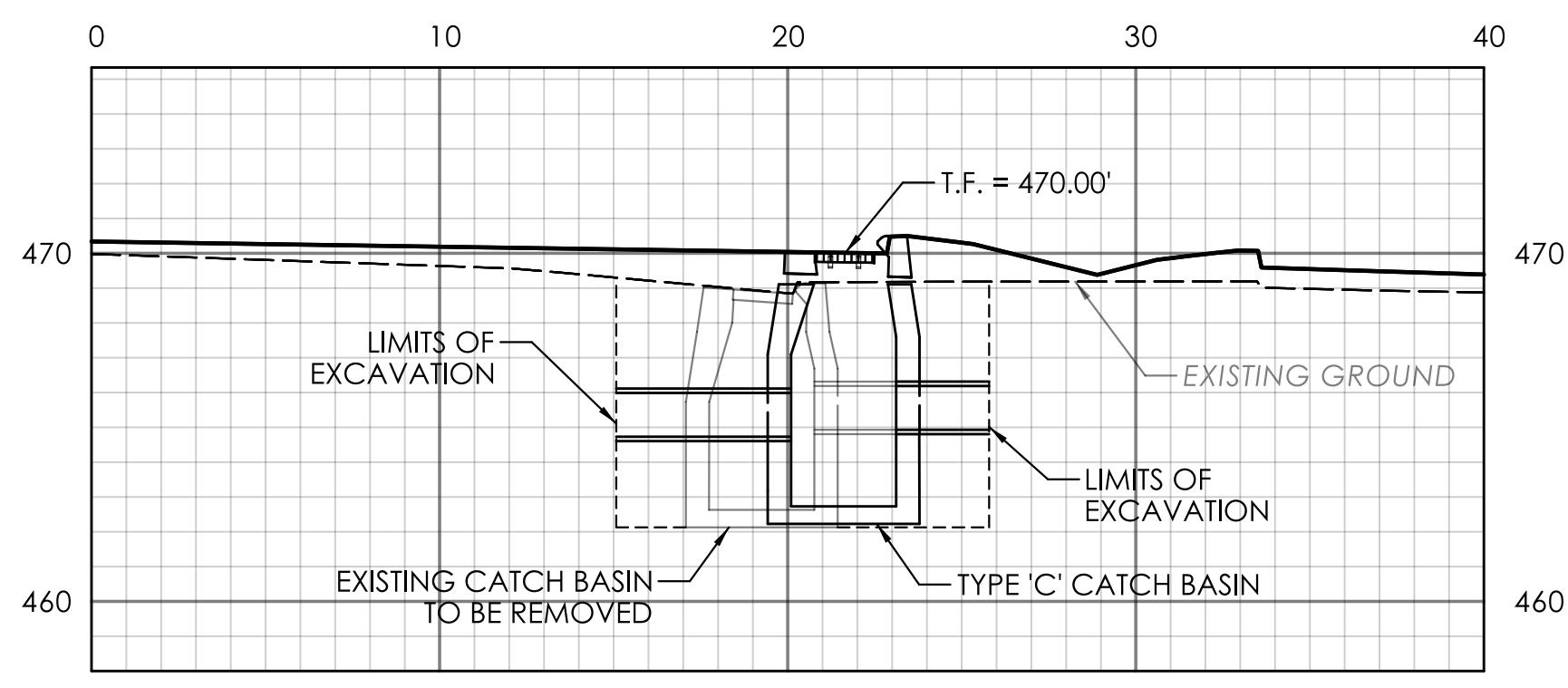
STA. 18+51.38



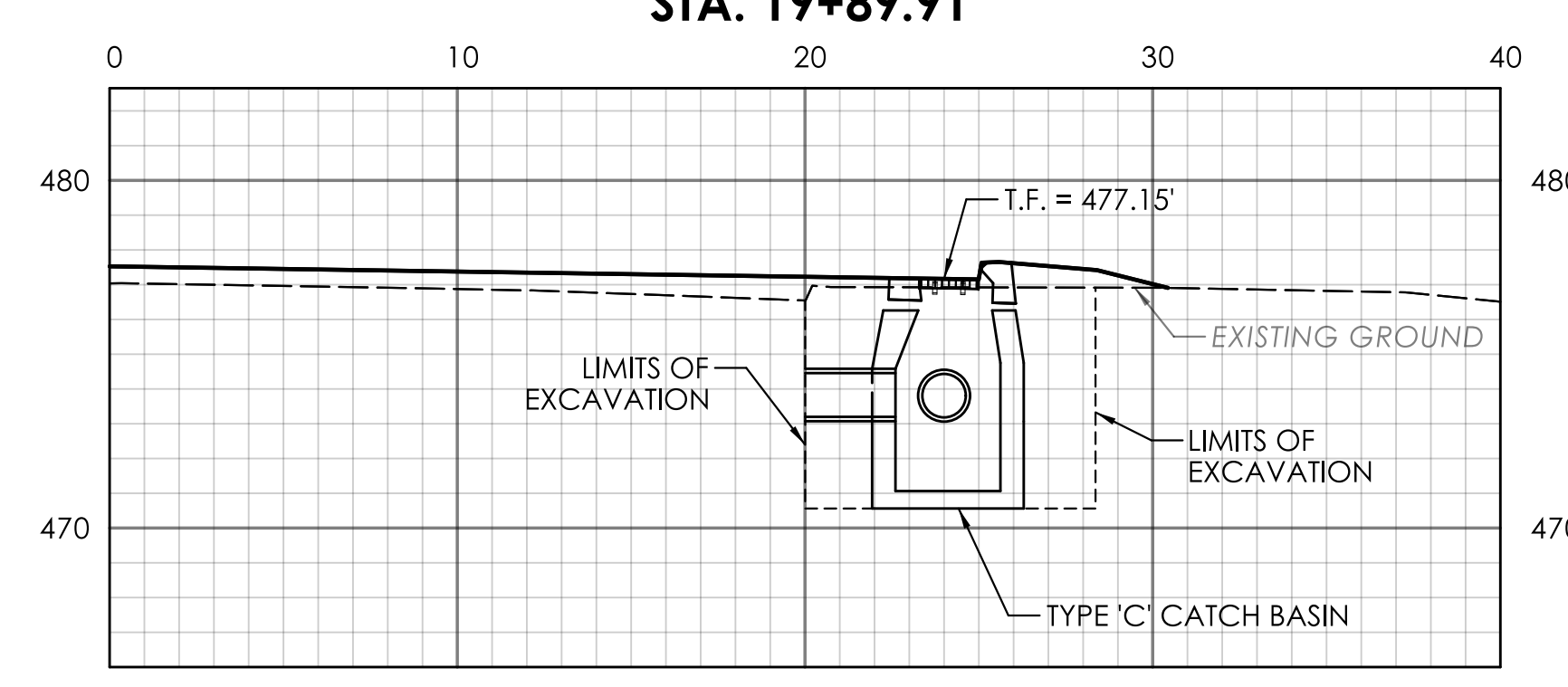
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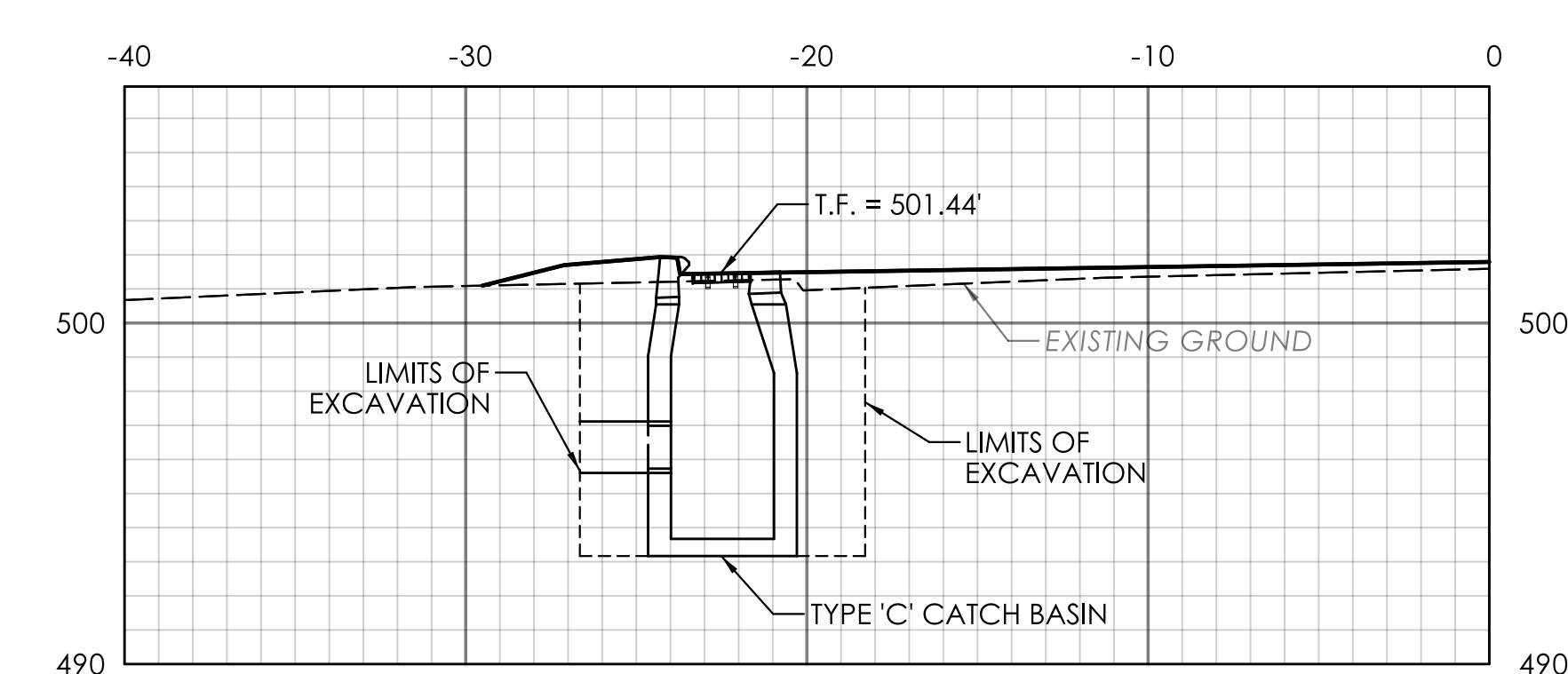
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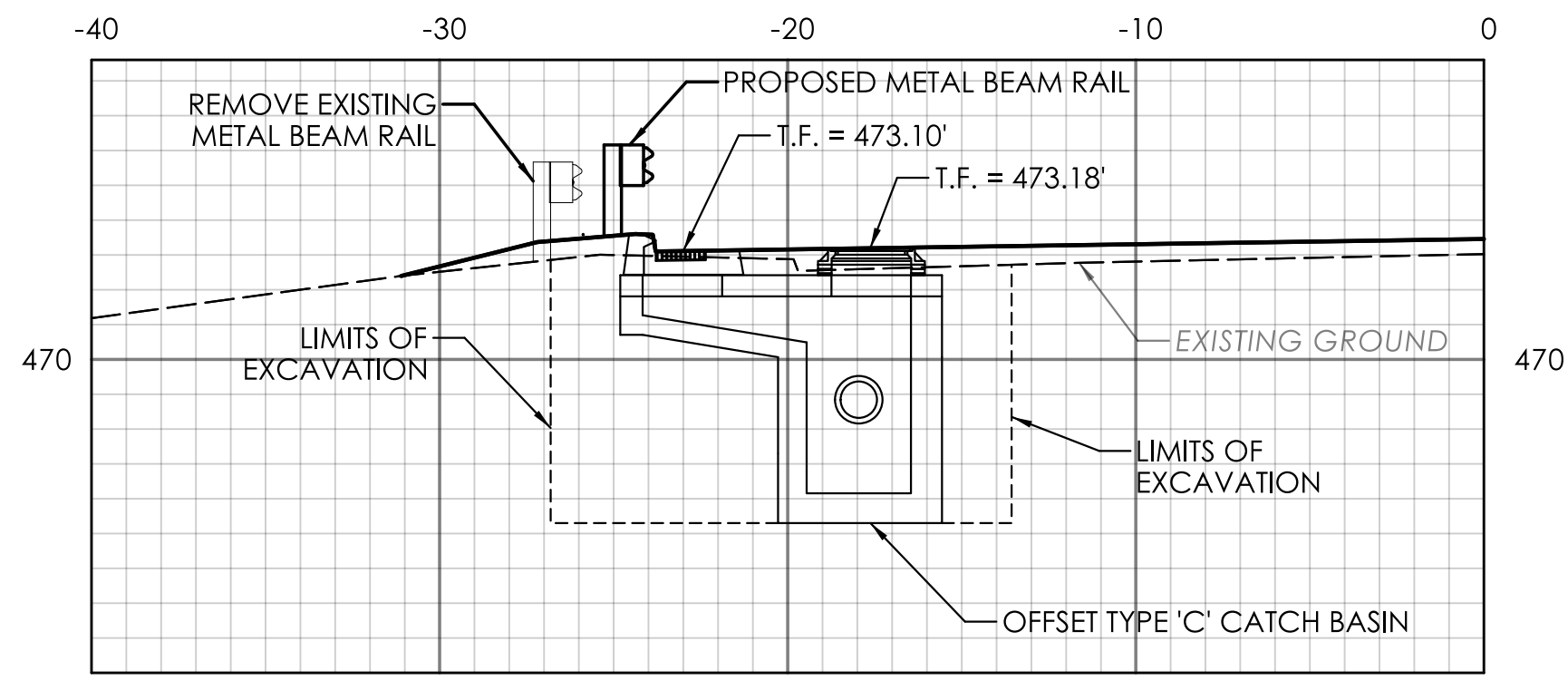
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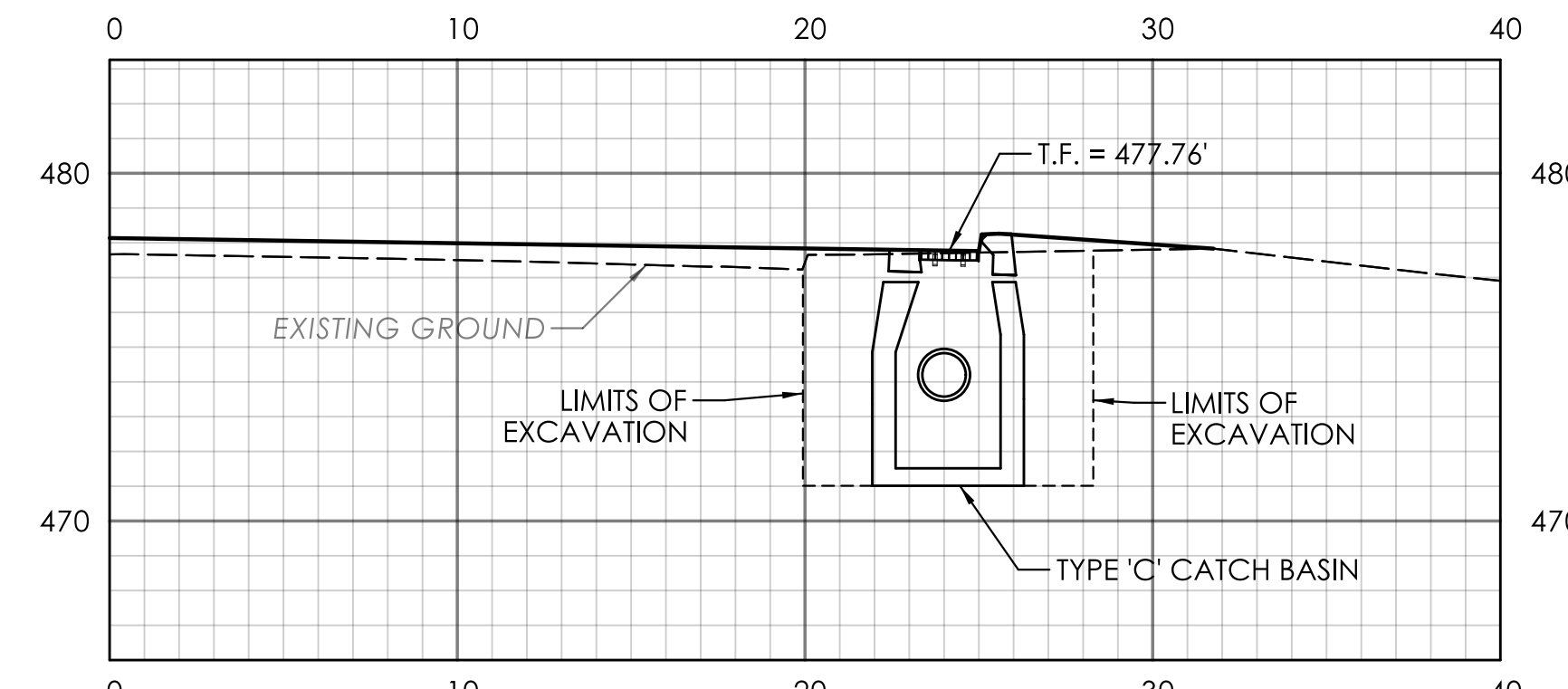
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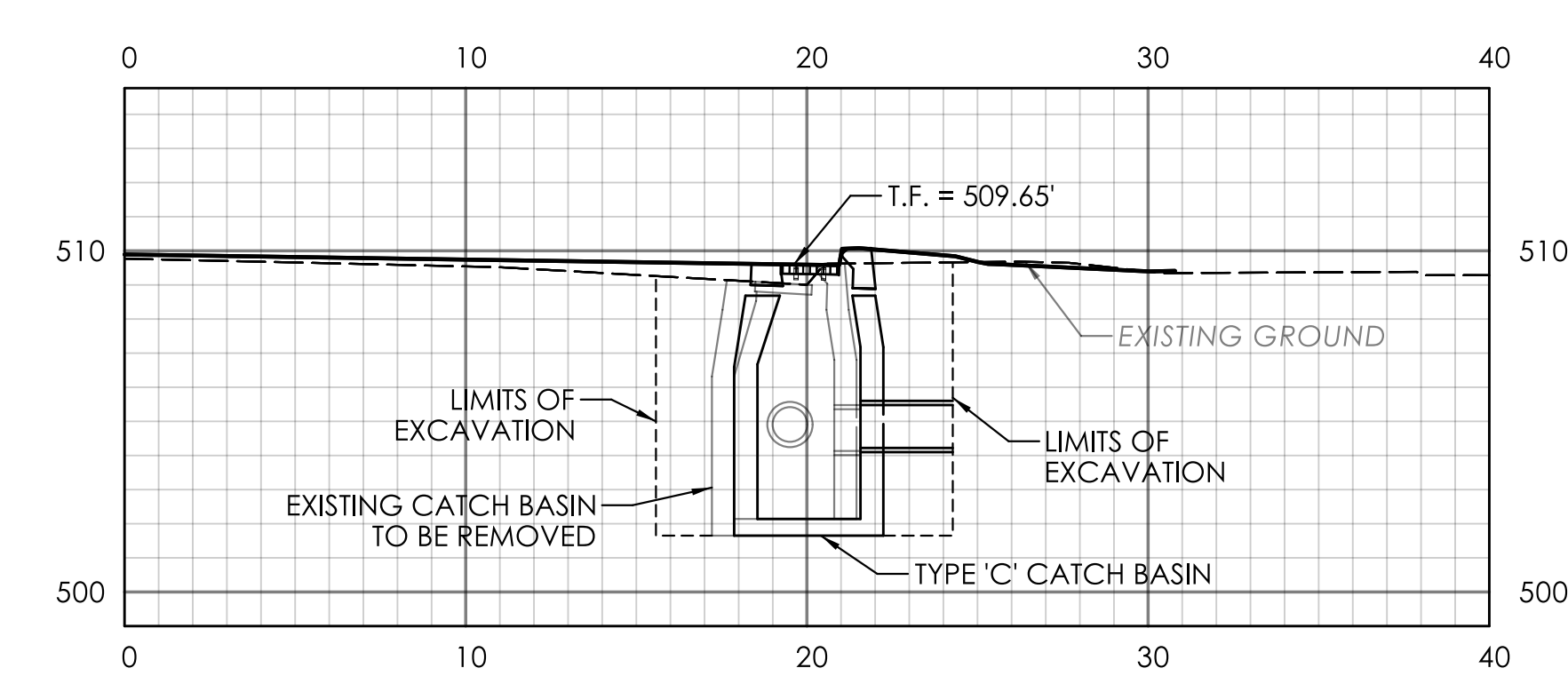
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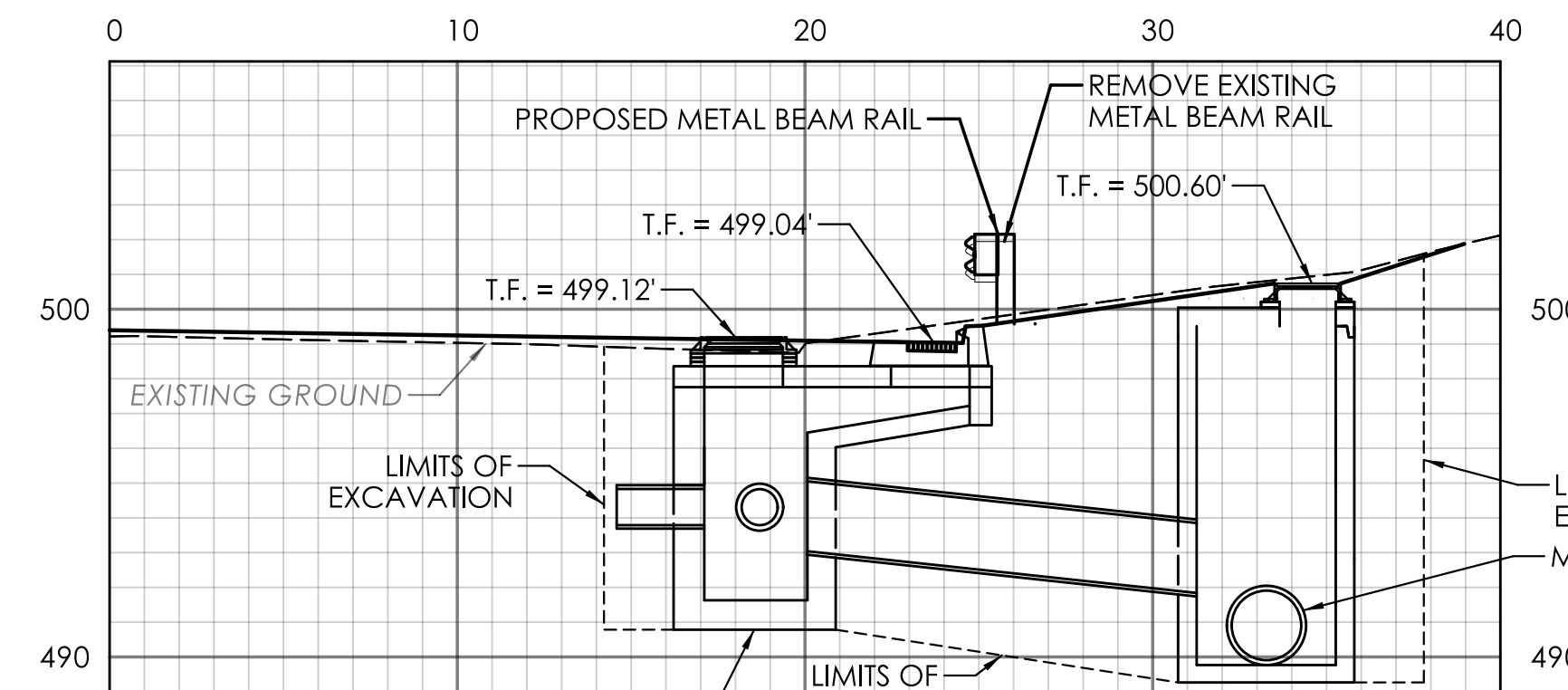
STA. 19+47.81



STA. 20+27.64



STA. 25+76.30

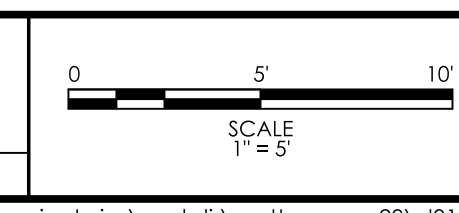


STA. 23+95.22

- NOTES**
1. INVERT TO BE SURVEYED BY CONTRACTOR PRIOR TO PROCUREMENT
  2. SEE PLN-07 FOR STRUCTURE INVERTS AND PIPE TYPES AND SIZES.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
 DESIGNER/DRAFTER: MDK  
 CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

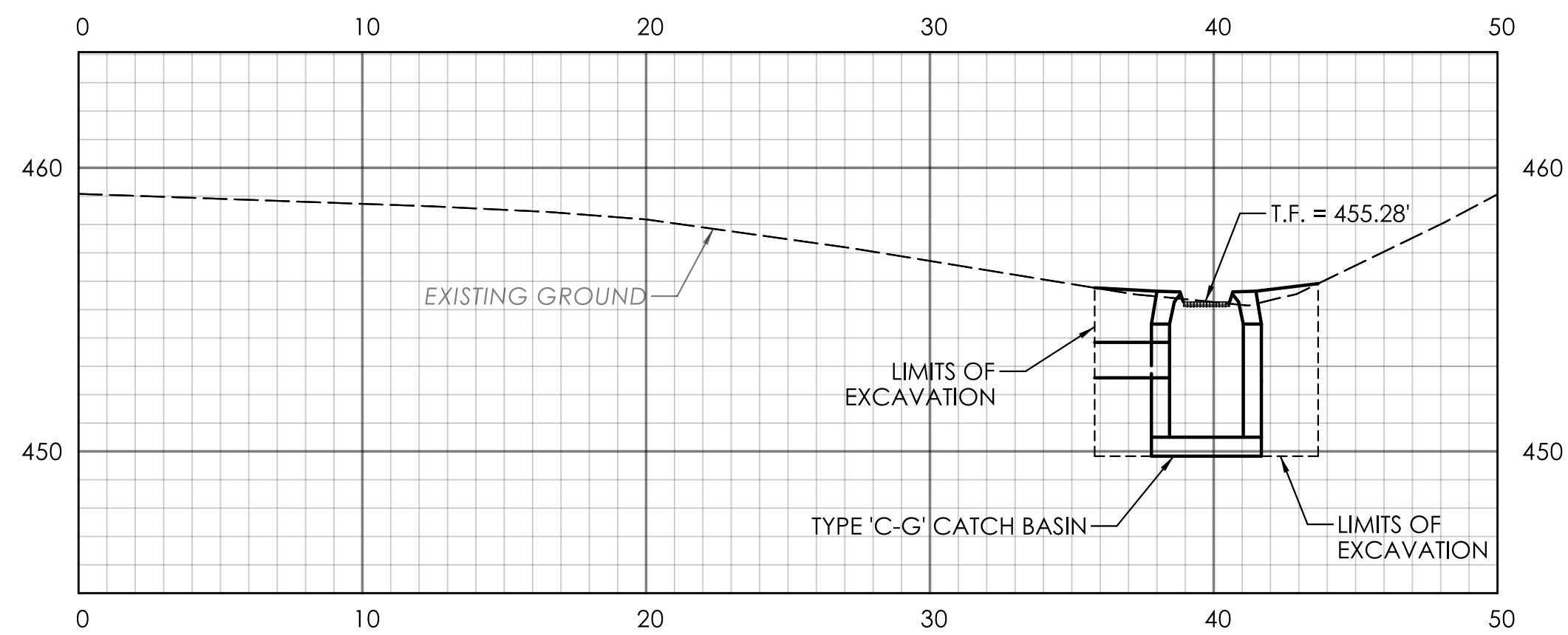
TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
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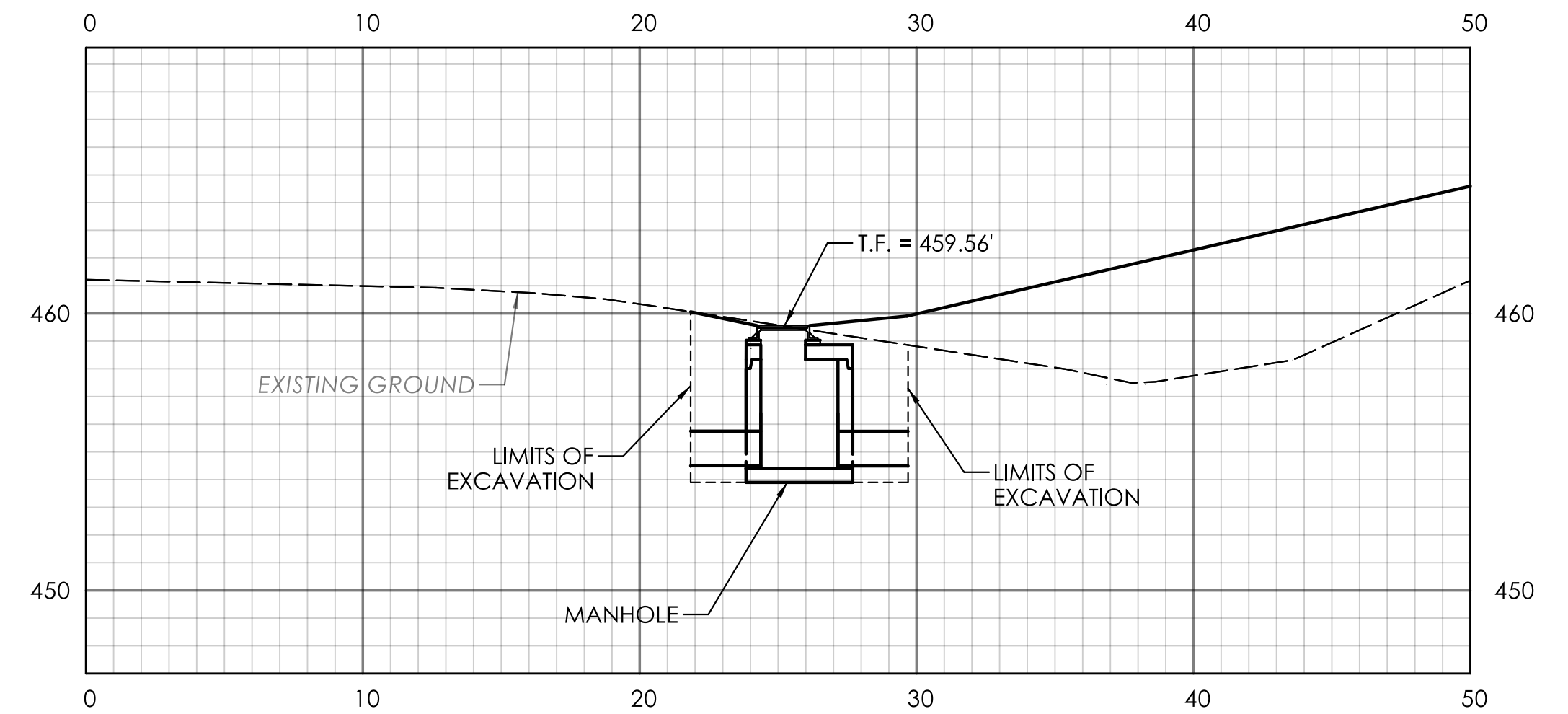
PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
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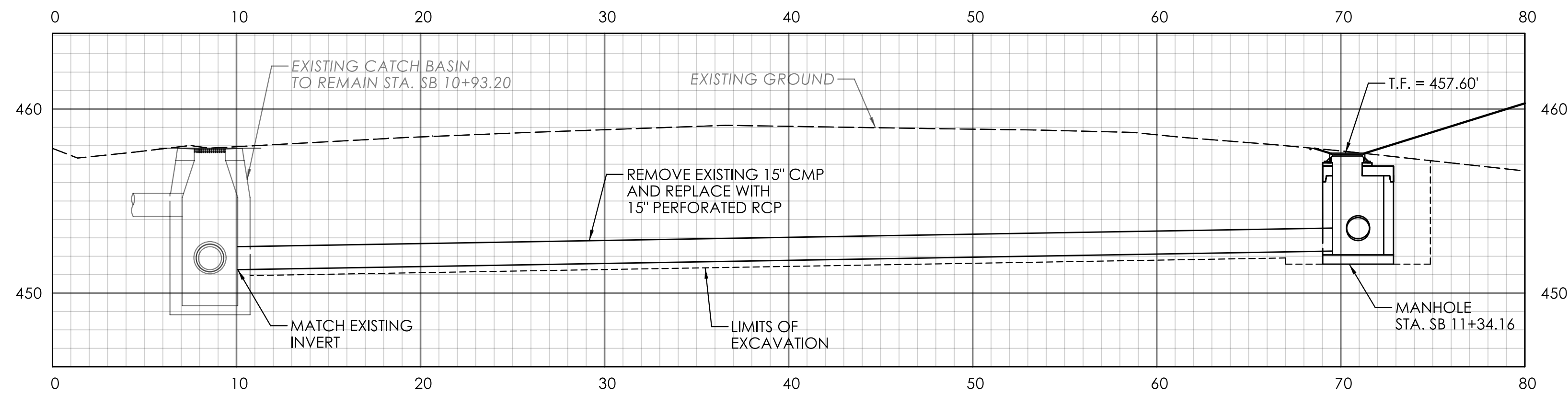
SHEET NO.:  
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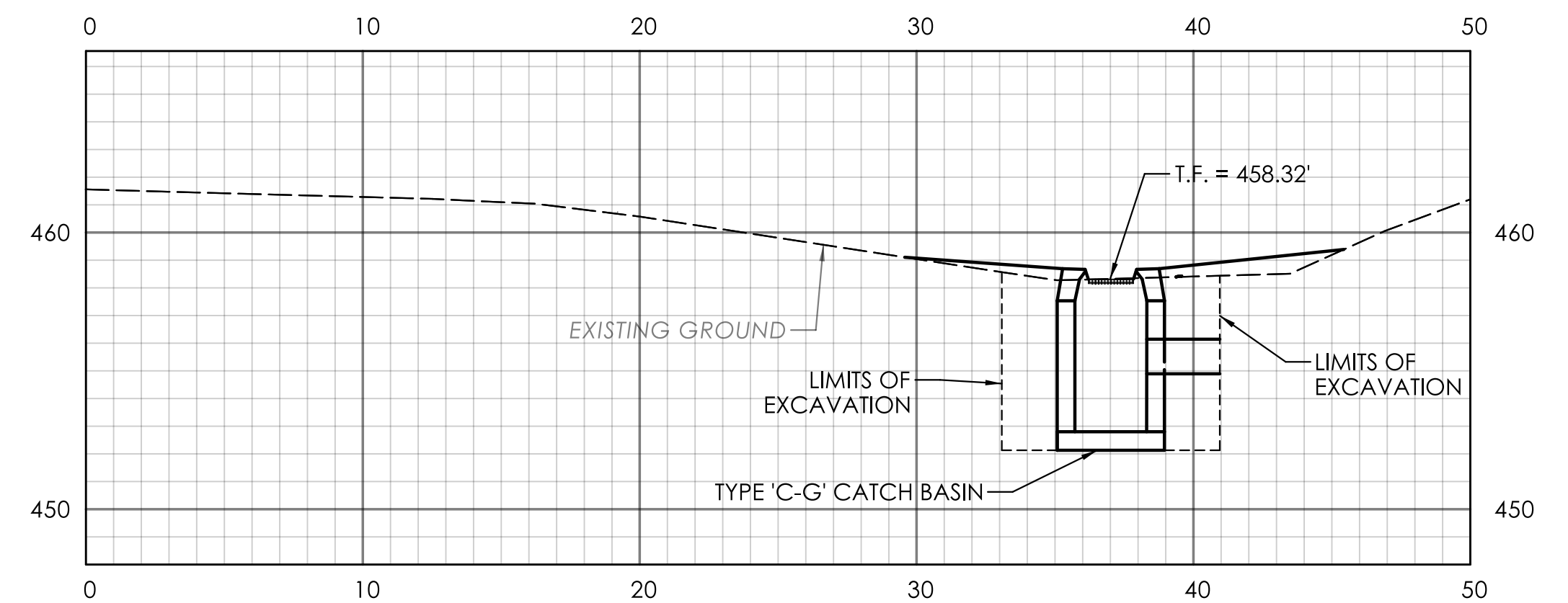
STA. SB 11+09.82



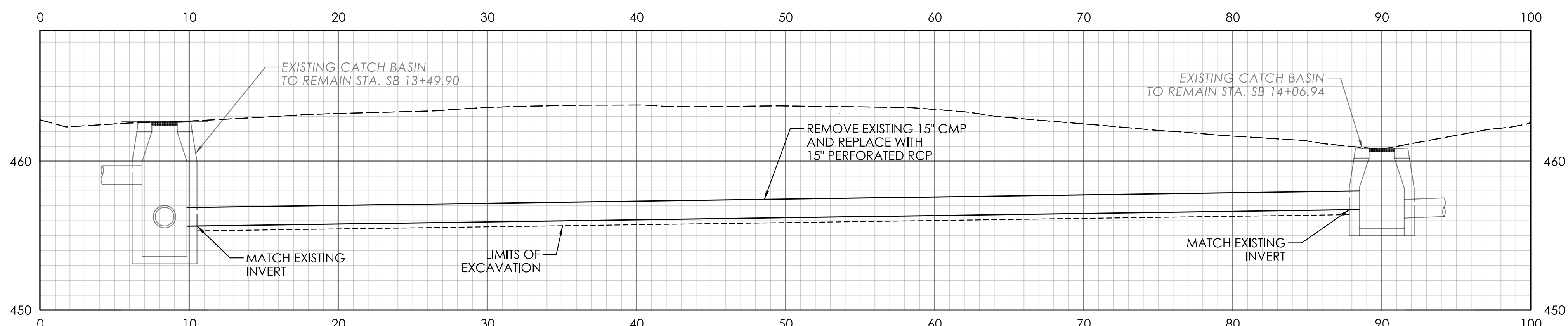
STA. SB 12+31.95



SB CULVERT 1  
CROSS SECTION ALONG THE CENTERLINE OF PIPE




STA. SB 12+50.46

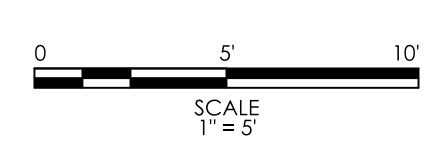


SB CULVERT 2  
CROSS SECTION ALONG THE CENTERLINE OF PIPE  
EXISTING GROUND ELEVATIONS TAKEN FROM CTECO LIDAR  
INVERTS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY

NOTE:  
1. SEE PLN-07 FOR STRUCTURE INVERTS AND PIPE TYPES AND SIZES.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  

 Mott MacDonald  
 175 Canal Street  
 4th Floor  
 Rocky Hill, CT 06067  
 DESIGNER/DRAFTER: MDK CHECKED BY: FHB



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

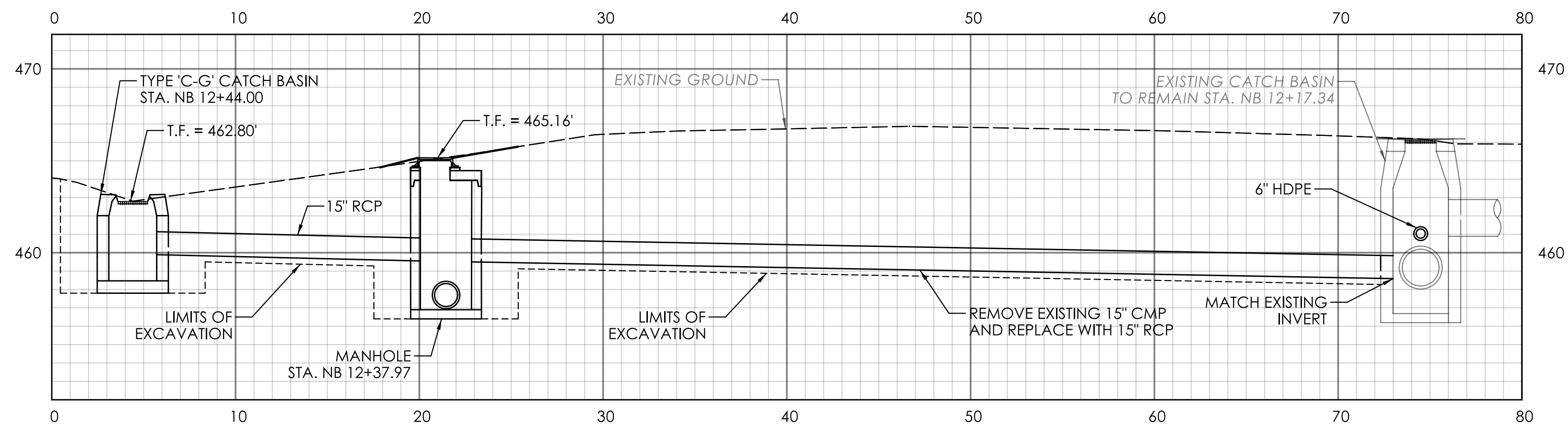
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**TOWN OF THOMPSON**

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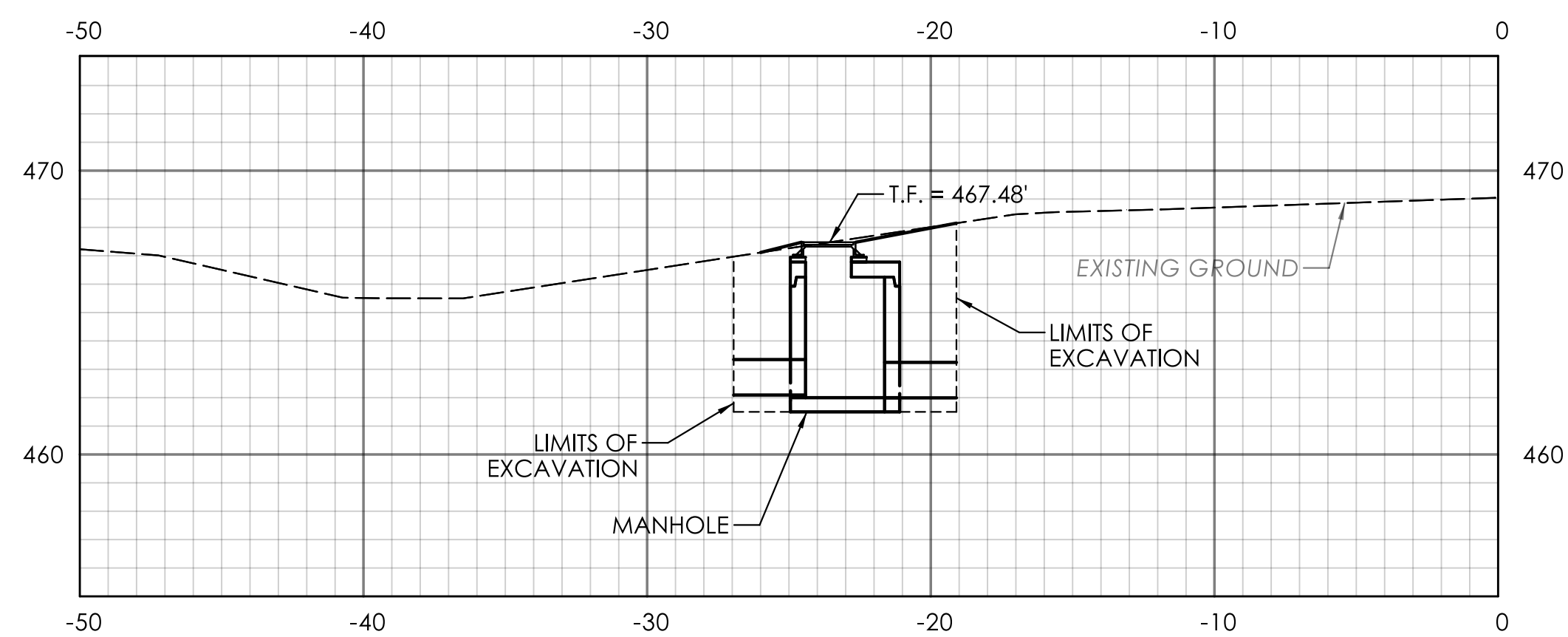
PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
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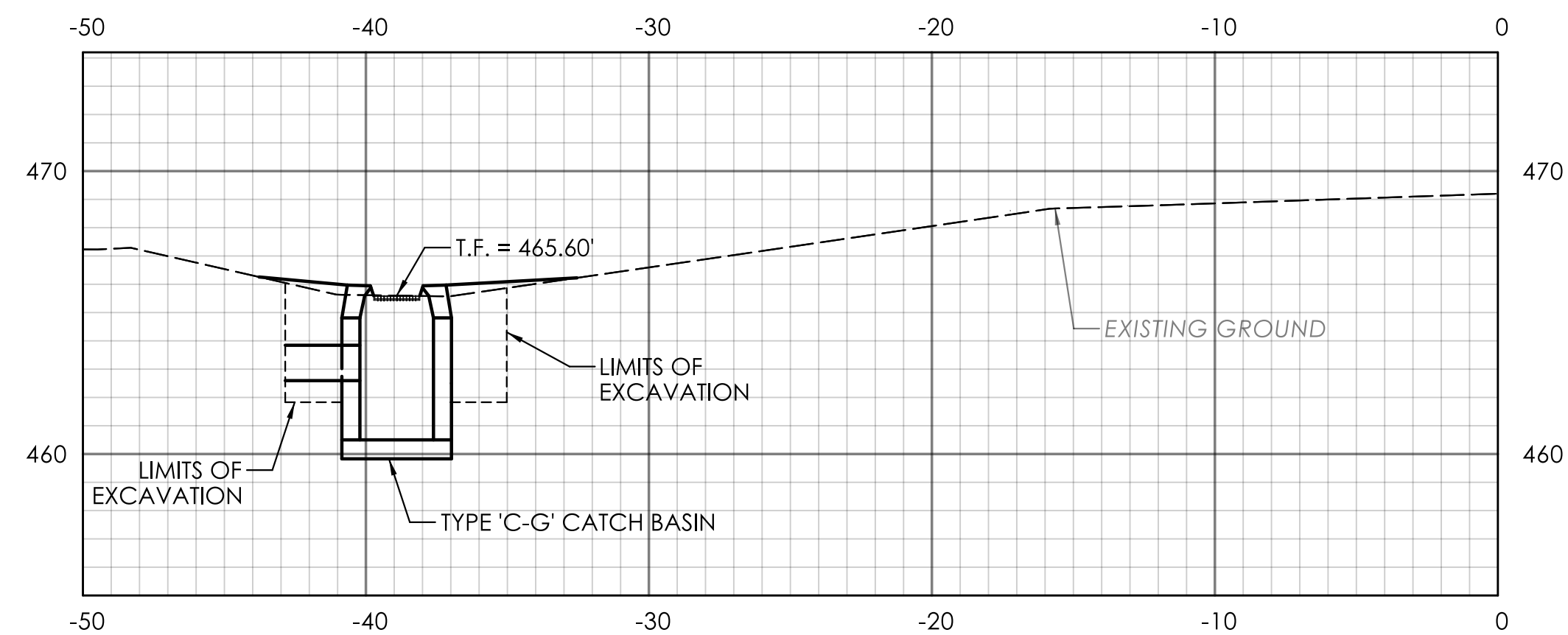
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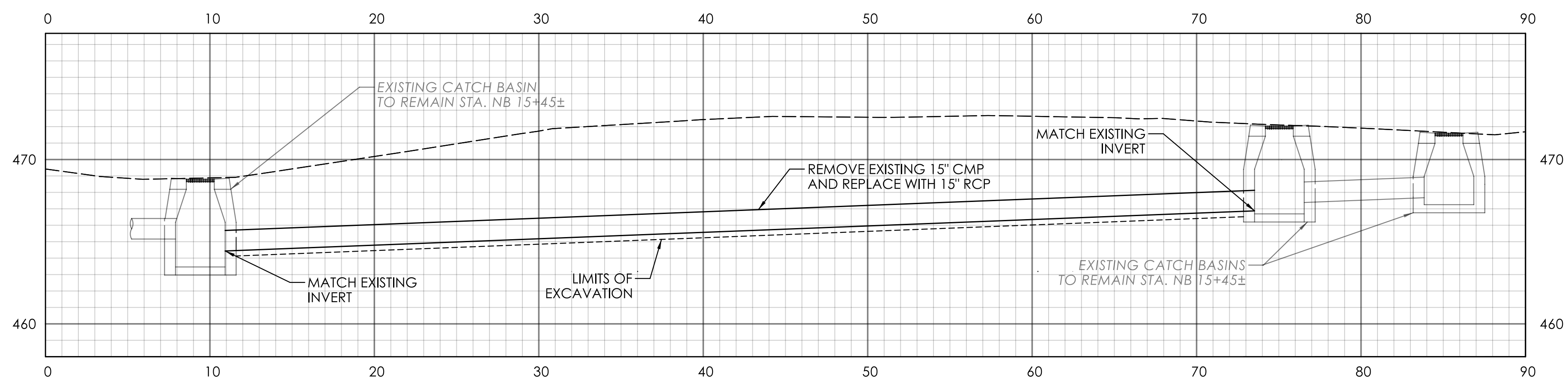
**NB CULVERT 1**  
CROSS SECTION ALONG THE CENTERLINE OF PIPE



**STA. NB 13+60.21**




**STA. NB 13+67.63**

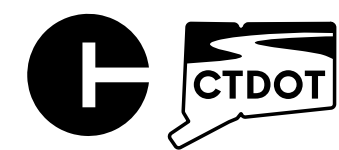
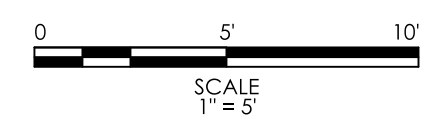


**NB CULVERT 2**  
CROSS SECTION ALONG THE CENTERLINE OF PIPE  
EXISTING GROUND ELEVATIONS TAKEN FROM CTECO LIDAR  
INVERTS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY

**NOTE:**  
1. SEE PLN-07 FOR STRUCTURE INVERTS AND PIPE TYPES AND SIZES.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
  
 MOTT MACDONALD  
 175 Canal Street  
 4th Floor  
 Rocky Hill, CT 06067  
 DESIGNER/DRAFTER: MDK CHECKED BY: FHB



CONNECTICUT  
DEPARTMENT OF  
TRANSPORTATION

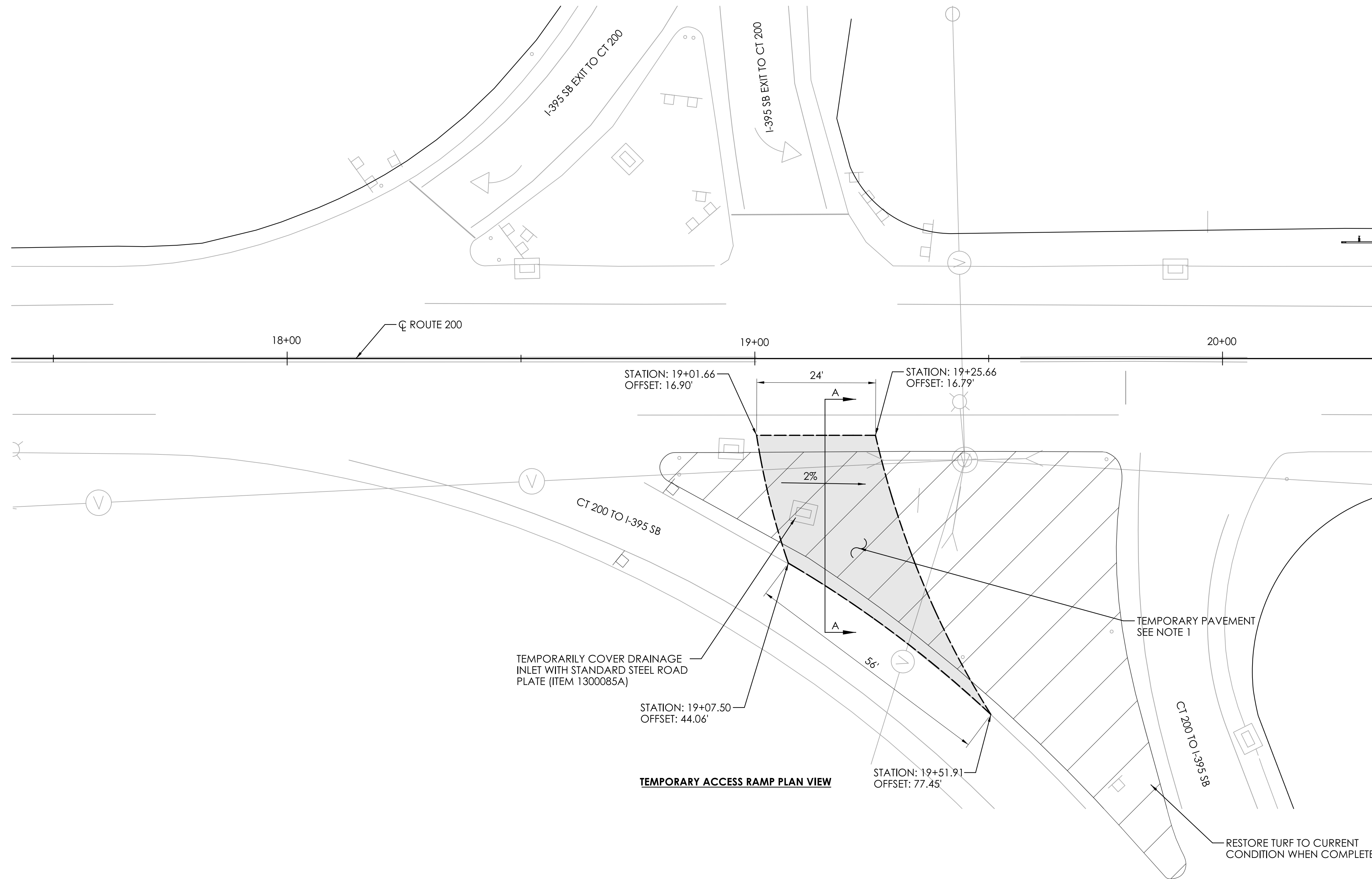
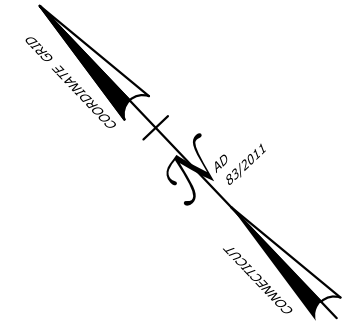
PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER  
INTERSTATE 395**

TOWNSHIP:  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**DRAINAGE CROSS  
SECTIONS - 03**

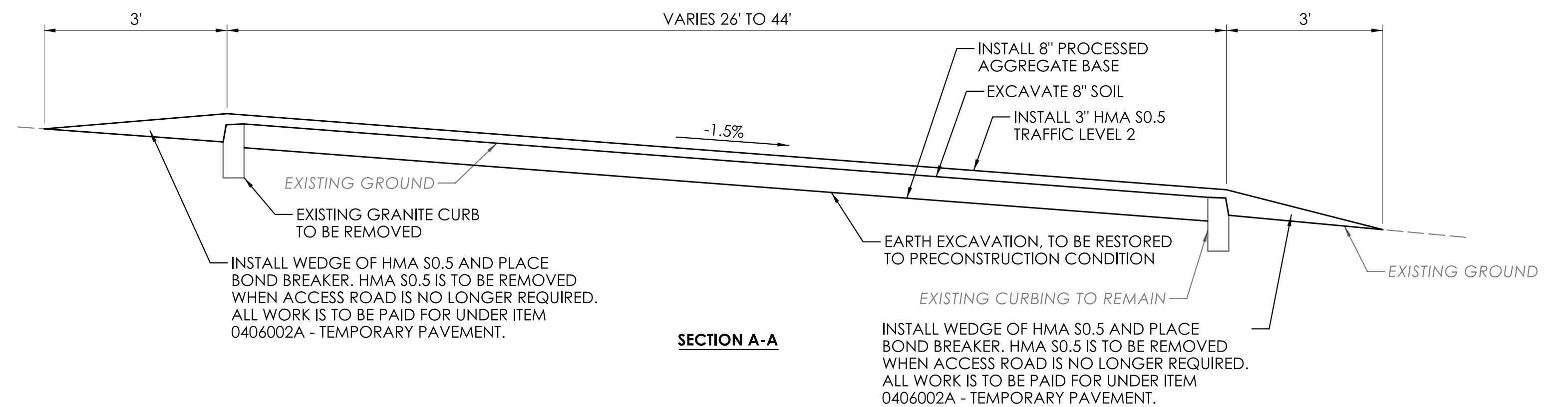
PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
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SHEET NO.:  
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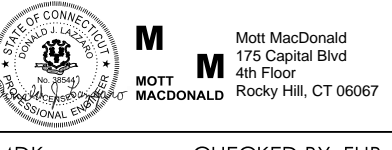


- LEGEND**
- ➔ DIRECTION OF TRAVEL
  - ▭ TEMPORARY PAVEMENT AREA

- NOTES**
1. CONSTRUCT TEMPORARY ACCESS RAMP ACCORDING TO SECTION A-A. PAID FOR UNDER ITEM 0406002A.
  2. USE TEMPORARY ACCESS RAMP FOR THE FOLLOWING OPERATIONS; DECK/STEEL REMOVAL, STEEL ERECTION, AND OTHERS AS ALLOWED BY THE RESIDENT ENGINEER.
  3. WHEN THE DIVERSION IS NO LONGER NEEDED, THE DISTURBED AREA TO BE RESTORED TO PRE-CONSTRUCTION CONDITION. REMOVE THE ASPHALT AND AGGREGATE, RESTORE GRADING TO THE CURRENT CONDITIONS, 4" FURNISHING AND PLACING TOPSOIL, TURF ESTABLISHMENT.
  4. SEE MPT-05 FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC PLAN PATTERN TO BE IN PLACE WHEN THIS TEMPORARY ACCESS RAMP IS IN USE.



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
  
 MOTT MACDONALD  
 175 Canal Street  
 4th Floor  
 Rocky Hill, CT 06067

NOT TO SCALE



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

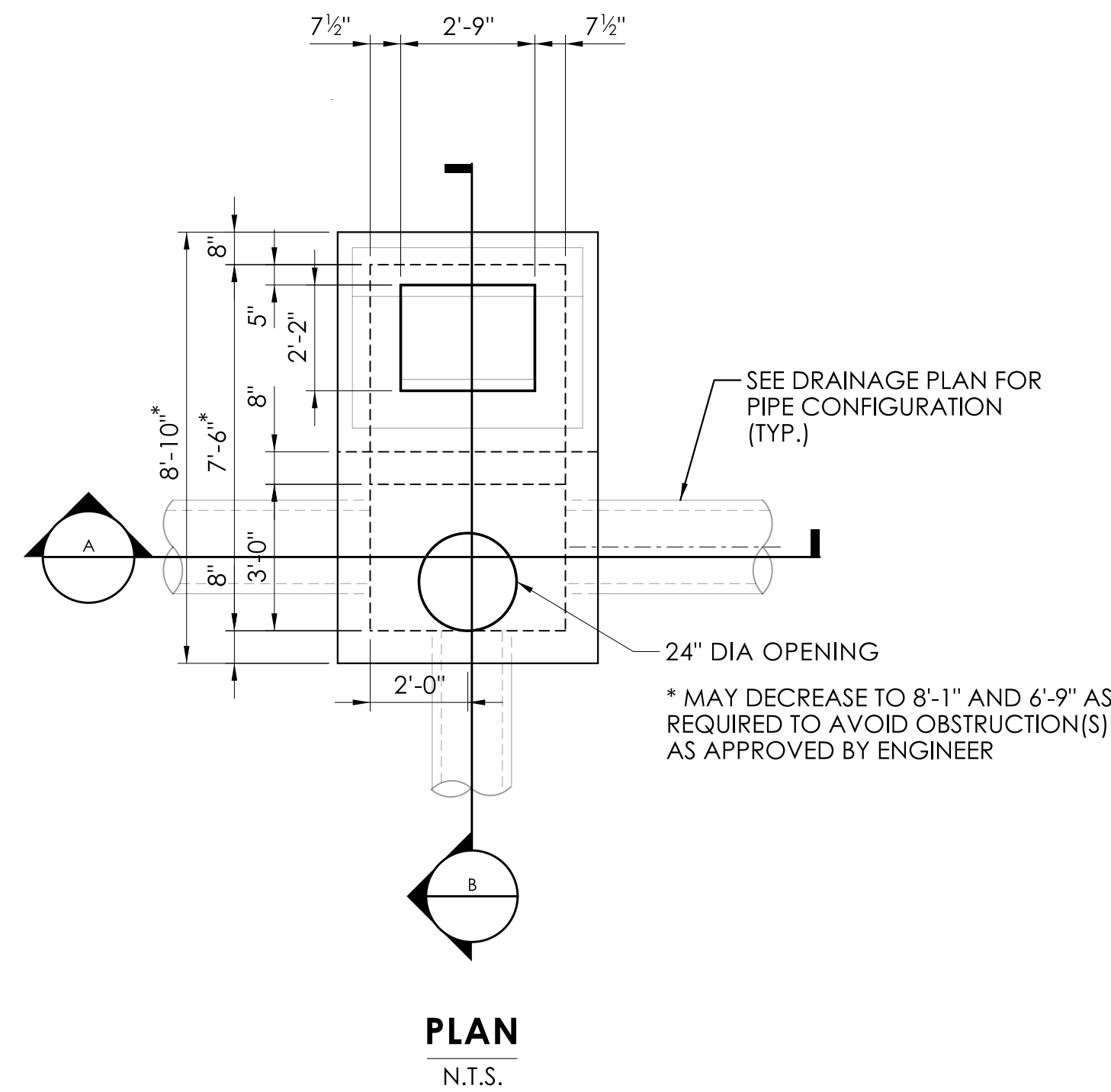
DRAWING TITLE:  
**TEMPORARY ACCESS RAMP PLAN**

PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
**TPP-01**  
 SHEET NO.: 03.35

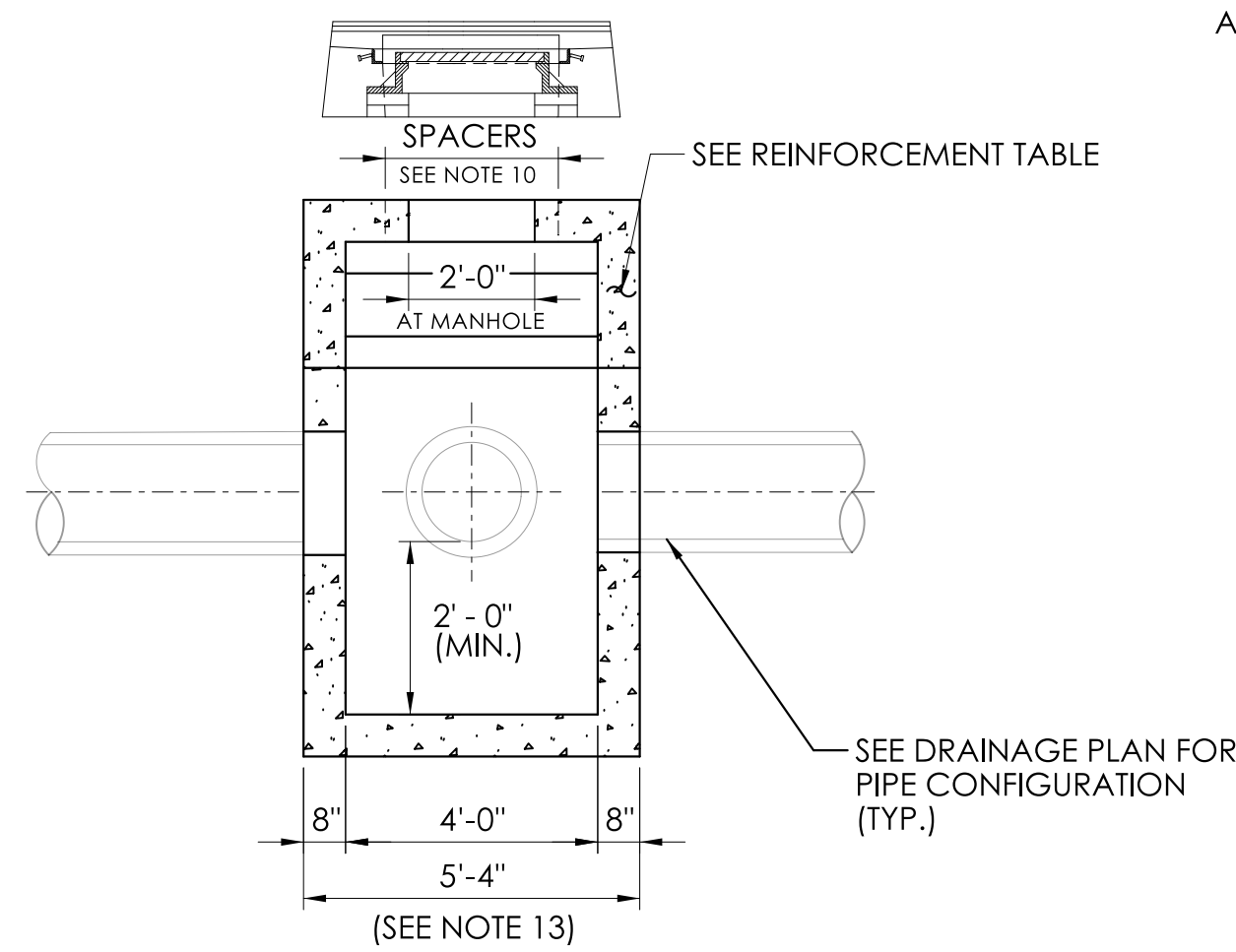
**OFFSET CATCH BASIN NOTES:**

- OFFSET CATCH BASIN SHALL BE DESIGNED BY A CT LICENSED ENGINEER FOR HS-20 LOADING.
- CONTRACTOR TO SUBMIT STAMPED SHOP DRAWINGS FOR OFFSET CATCH BASIN TO THE ENGINEER FOR APPROVAL.
- OFFSET CATCH BASIN STRUCTURE SHALL MEET THE REQUIREMENTS OF M.08.02 AND SHALL UTILIZE CONCRETE WITH A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
- REFER TO CTDOT STANDARD DRAWING DETAILS FOR TYPE "C" CATCH BASIN TOP (HW-0586\_07g) AND GENERAL NOTES.
- CONTRACTOR TO SUBMIT STAMPED SHOP DRAWINGS FOR 24" DIAMETER MANHOLE FRAME AND COVER FOR APPROVAL.
- PIPE OPENINGS IN PRECAST UNITS ARE TO BE 4" MIN TO 8" MAX LARGER THAN THE OUTSIDE PIPE DIAMETER.
- ALL PIPE OPENINGS SHALL HAVE CAST IN PLACE SLEEVES.
- OFFSET CATCH BASIN TO BE PAID FOR UNDER THE ITEM "OFFSET TYPE 'C' CATCH BASIN - 0' - 10' DEEP".
- MANHOLE COVER SHALL HAVE NON-SKID (DIAMOND TREAD PATTERN) AND HAVE 2" IMPRINT LETTERS "CTDOT STORM". CASTING DATE SHALL BE INDICATED ON EACH MANHOLE FRAME AND COVER (PLACED ON UNDERSIDE).
- FOR GRADE ADJUSTMENTS OF THE CATCH BASIN TOP AND MANHOLE TOP (TO MATCH THE ROADWAYS' PROFILE AND CROSS-SLOPE SHOWN ON THE PLANS) USE SPACERS EITHER CONCRETE MASONRY UNIT OR PRECAST WITH THE REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) COMBINED WITH MORTAR AS NEEDED TO PROVIDE THE PROPER GRADE ADJUSTMENTS.
- ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL.
- CATCH BASIN TOP OF FRAME ELEVATIONS SHALL BE MEASURED IN THE CENTER OF GRATE AT GUTTER LINE. SEE STANDARD SHEET NO. HW-586\_01 FOR DEPRESSION DETAILS. MANHOLE TOP OF FRAME ELEVATION SHALL BE MEASURED AT THE CENTER OF COVER.
- WALL THICKNESS OF ALL CATCH BASIN OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSIONS SHALL REMAIN THE SAME. 12" THICKNESS SHALL START AFTER THE FIRST 10 FEET.

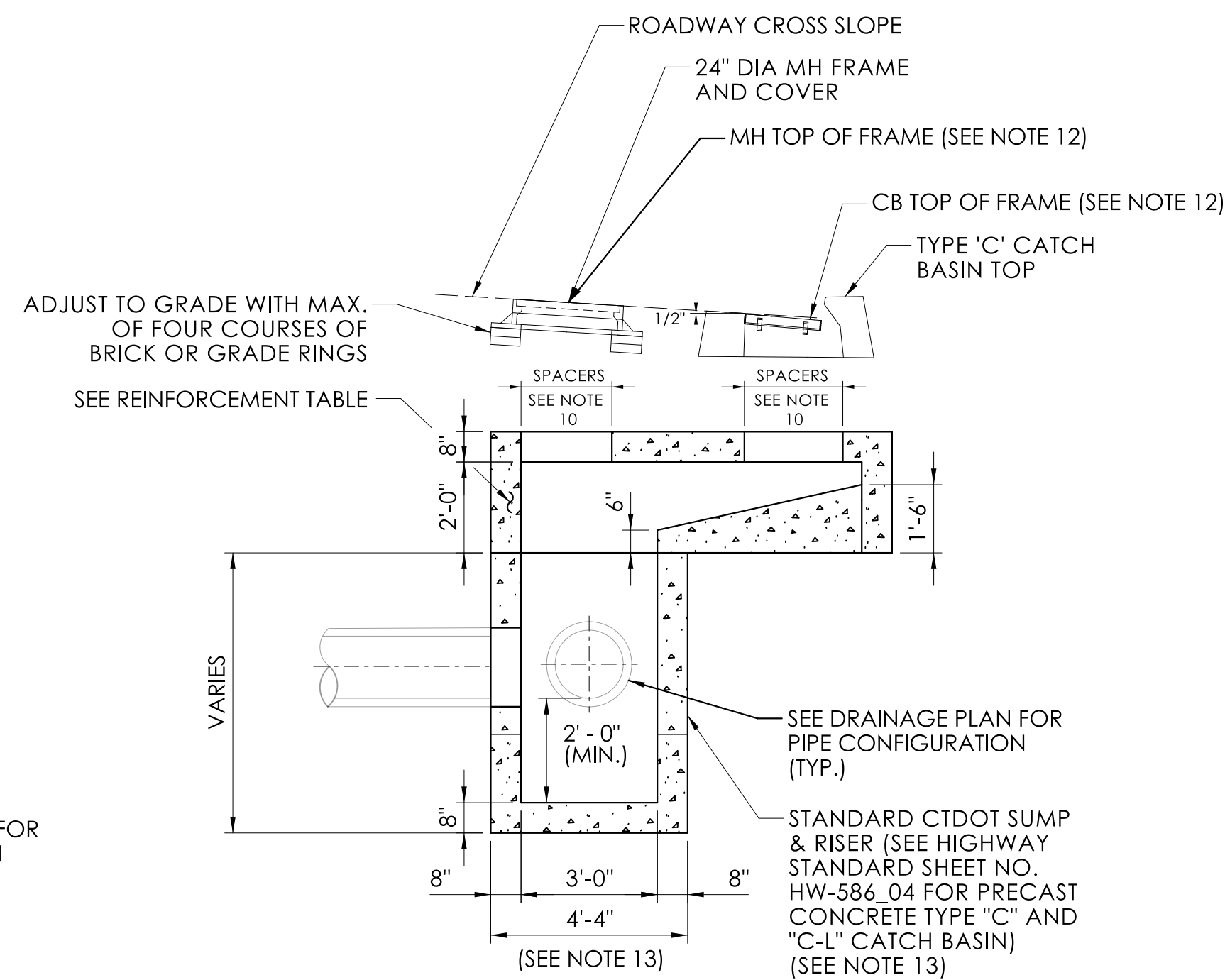


**PLAN**  
N.T.S.

TOP SLAB REINFORCING	
SHORT DIRECTION	#5 @ 6" O.C., 1 1/2" COVER FROM BOT. OF SLAB
LONG DIRECTION	#4 @ 8" O.C.
OFFSET RISER REINFORCING	
HORIZ. DIRECTION	#4 @ 12" O.C., 1 1/2" COVER FROM O.S. OF WALL
VERT. DIRECTION	#4 @ 12" O.C.



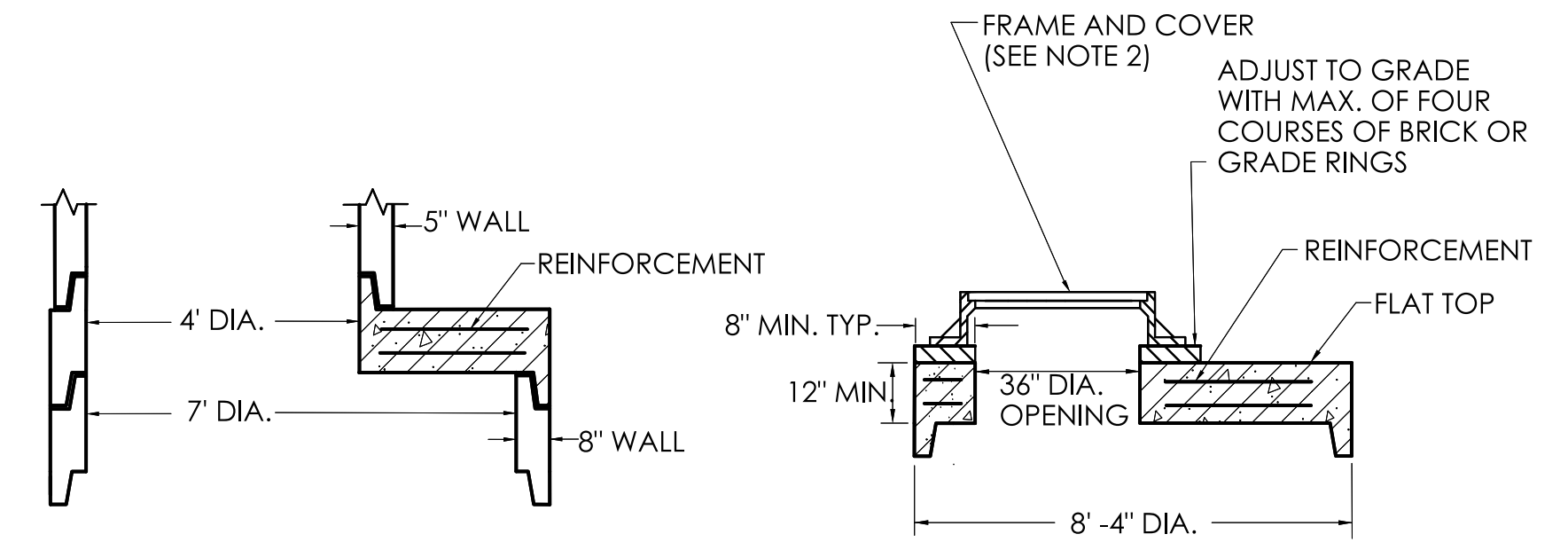
**SECTION A-A**  
N.T.S.



**SECTION B-B**  
N.T.S.

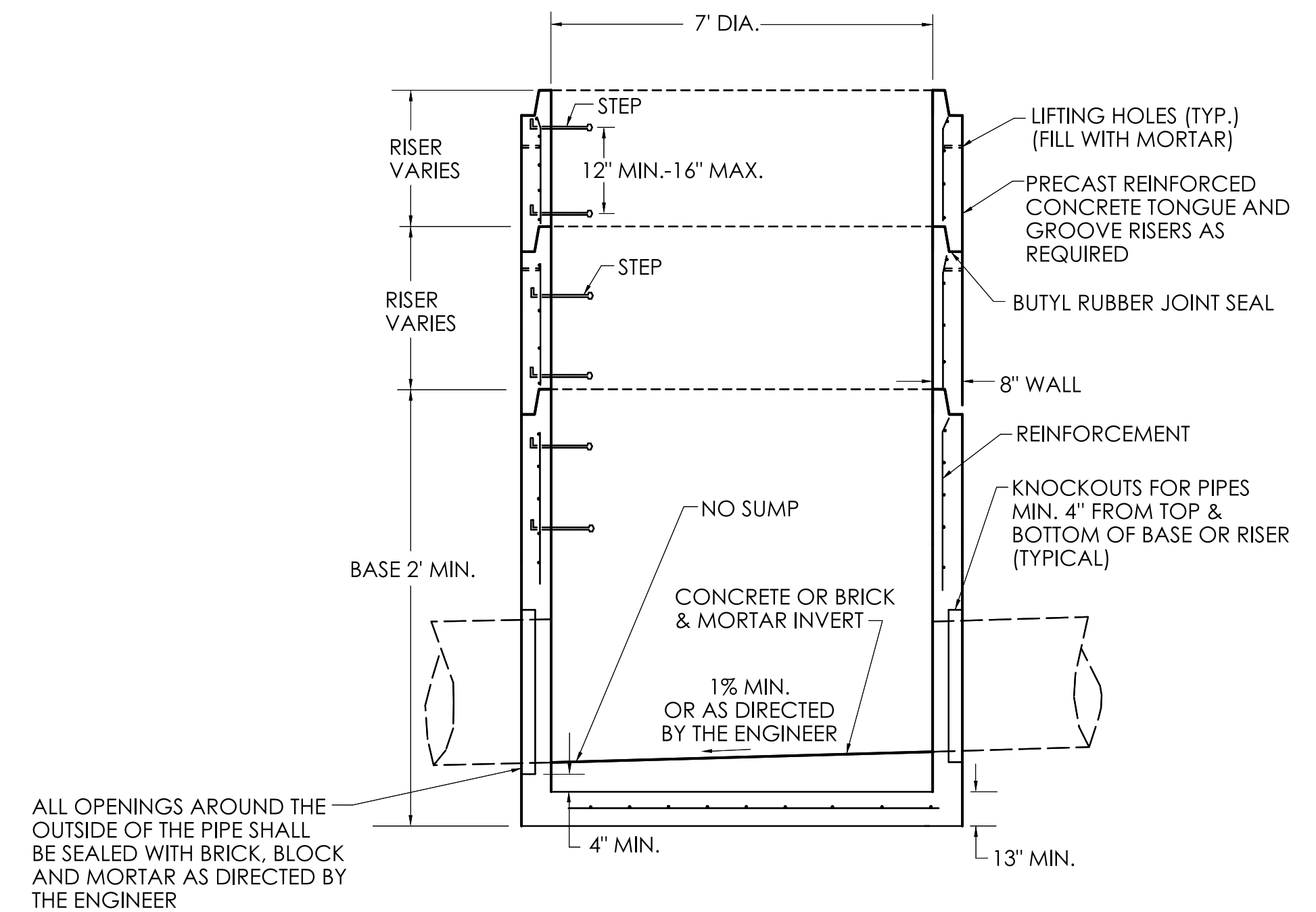
**OFFSET TYPE 'C' CATCH BASIN**

N.T.S.



**REDUCER SECTION**  
N.T.S.

**FLAT SLAB TOP FOR RISER SECTION**  
N.T.S.



**7' DIAMETER REINFORCED PRECAST CONCRETE MANHOLE SECTION**  
N.T.S.

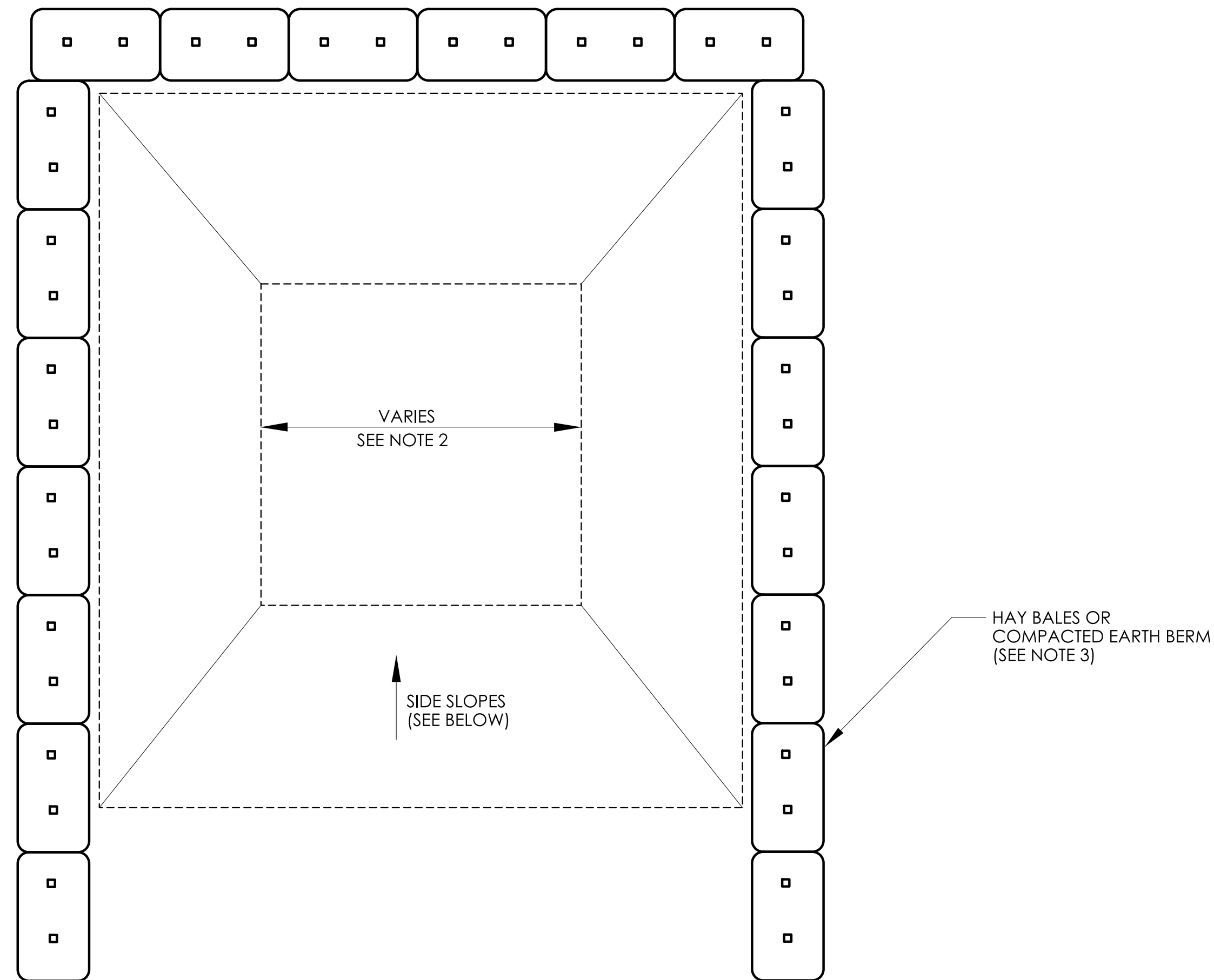
**NOTES:**

- ALL DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE.
- SEE HIGHWAY STANDARD SHEET NO. HW-586\_10b FOR MANHOLE FRAME, GRATE, AND COVER DETAIL.
- SEE HIGHWAY STANDARD SHEET NO. HW-586\_10c FOR STEP DETAIL.
- ITEM NO. 0586025.10 SPECIAL ROUND TYPE 'C' CATCH BASIN - 0' - 10' DEEP (7' DIAMETER) TO UTILIZE 7' DIAMETER REINFORCED PRECAST CONCRETE MANHOLE WITH 7' MANHOLE FLAT SLAB TOP FOR RISER. THE FLAT SLAB TOP 36" DIA. OPENING SHOWN IN SECTION ABOVE SHALL BE MODIFIED TO THE RECTANGULAR OPENING AS DETAILED ON HIGHWAY STANDARD SHEET NO. HW-586\_04 FOR A PRECAST TYPE 'C' ROUND STRUCTURE. IN ADDITION, A 2' SUMP SHALL BE PROVIDED WHEN USED AS A CATCH BASIN.

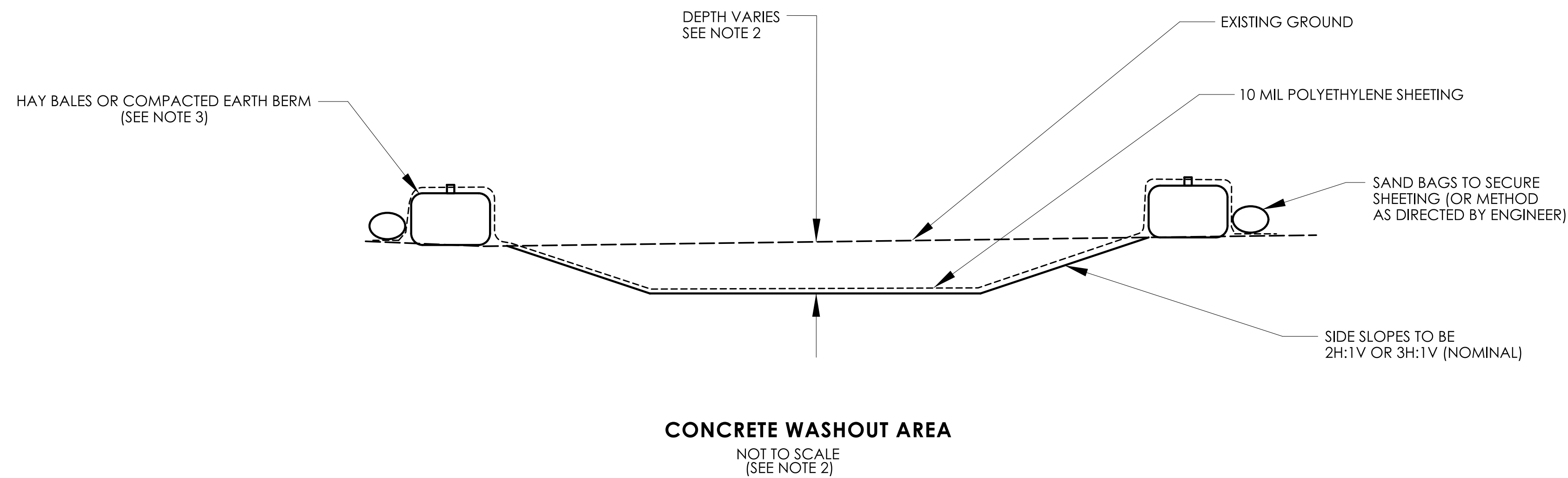
**MANHOLE (7' DIAMETER)**

N.T.S.

DESIGNER/DRAFTER: LRC	CHECKED BY: KLM	SIGNATURE BLOCK:	M. MacDonald 175 Cedar Street 4th Floor Hartford, CT 06107	PROJECT TITLE:	REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395	TOWN:	TOWN OF THOMPSON	DRAWING TITLE:	MISCELLANEOUS DRAINAGE DETAILS	PROJECT NO.:	0141-0158	DRAWING NO.:	MDS-01
LASTED SAVED BY: KOM108128 FILE NAME: c:\users\kom108128\appdata\local\projectwise\workdir\molt-use-pw-20\d0162230\Offset Catch Basins.dgn													
PLOTTED DATE: 2/16/2026													



PLAN




CONCRETE WASHOUT AREA  
NOT TO SCALE  
(SEE NOTE 2)

**GENERAL NOTES:**

1. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF-CONTAINED.
2. THE CONTRACTOR SHALL SUBMIT THE DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREA(S) WITH THE PROJECT'S EROSION AND SEDIMENTATION CONTROL PLAN AND SHALL BE APPROVED BY THE ENGINEER.  
  
LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50 FEET FROM ANY STREAM, WETLAND, STORM DRAINS, OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOODPLAIN.  
  
SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO, OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.
3. SURFACE DISCHARGE IS UNACCEPTABLE. THEREFORE, HAY BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ENGINEER, SHOULD BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT.
4. SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING OR OTHER APPROVED METHOD.
5. WASHOUT AREA(S) ARE TO BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECKED FOR LEAKS, TEARS, OR OVERFLOWS. (AS REQUIRED BY THE CONSTRUCTION SITE ENVIRONMENTAL INSPECTION REPORT) WASHOUT AREA(S) SHOULD BE CHECKED AFTER HEAVY RAINS.
6. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S DEPTH. THE WASTE CAN BE STORED AT AN UPLAND LOCATION, AS APPROVED BY THE ENGINEER. ALL CONCRETE WASTE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS, AND GUIDELINES.
7. PAYMENT FOR THIS ITEM IS TO BE INCLUDED UNDER THE GENERAL COST OF THE WORK FOR THE PROJECT, INCLUDING SITE RESTORATION.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
  
 DESIGNER/DRAFTER: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_



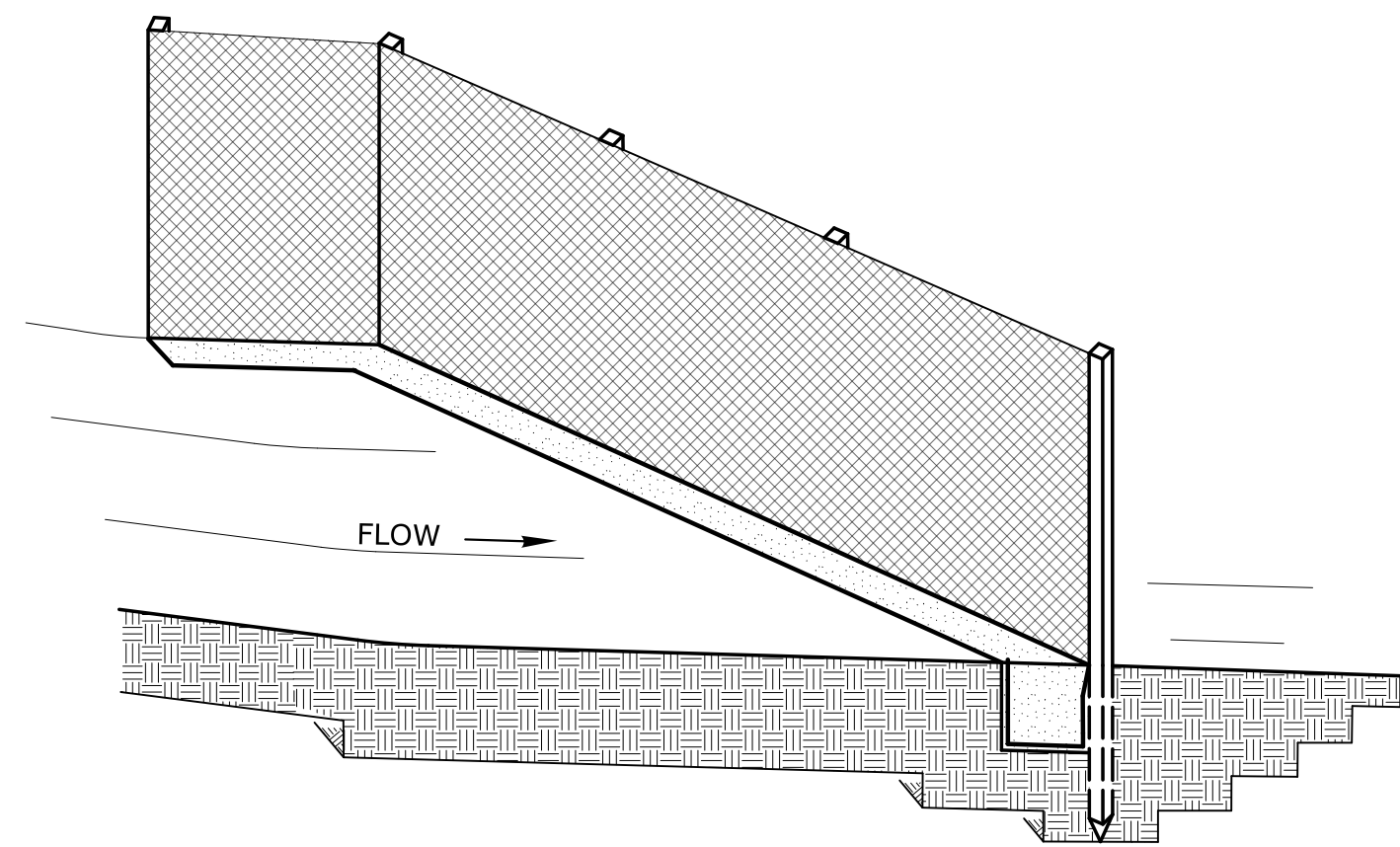
PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**CONCRETE WASHOUT AREA**

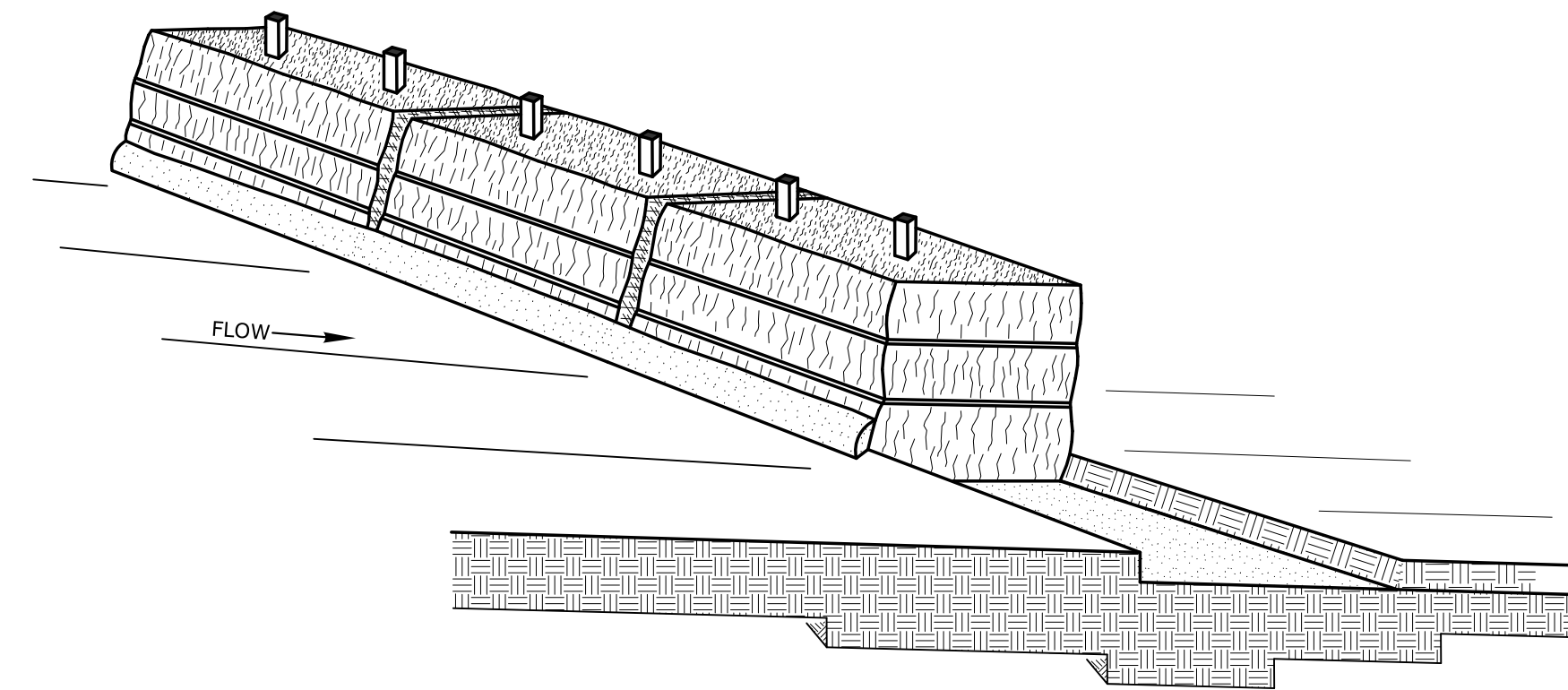
PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
**MDS-02**  
 SHEET NO.:  
 03.37

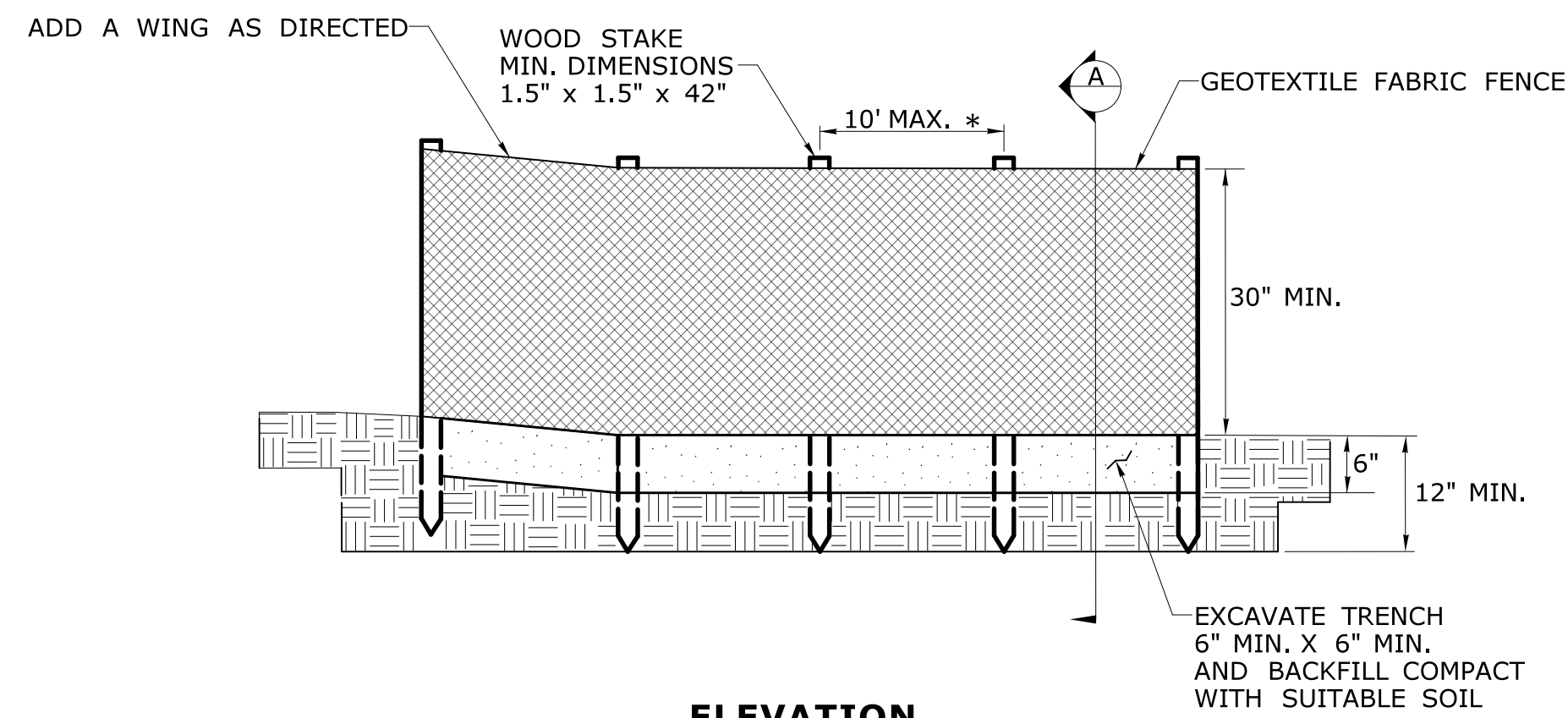


**SEDIMENTATION CONTROL SYSTEM**

INSTALL THE WING WHEN THE FENCE IS MORE THAN 4' FROM THE TOE OF SLOPE AND THE FENCE LINE GRADIENT IS 5% OR MORE

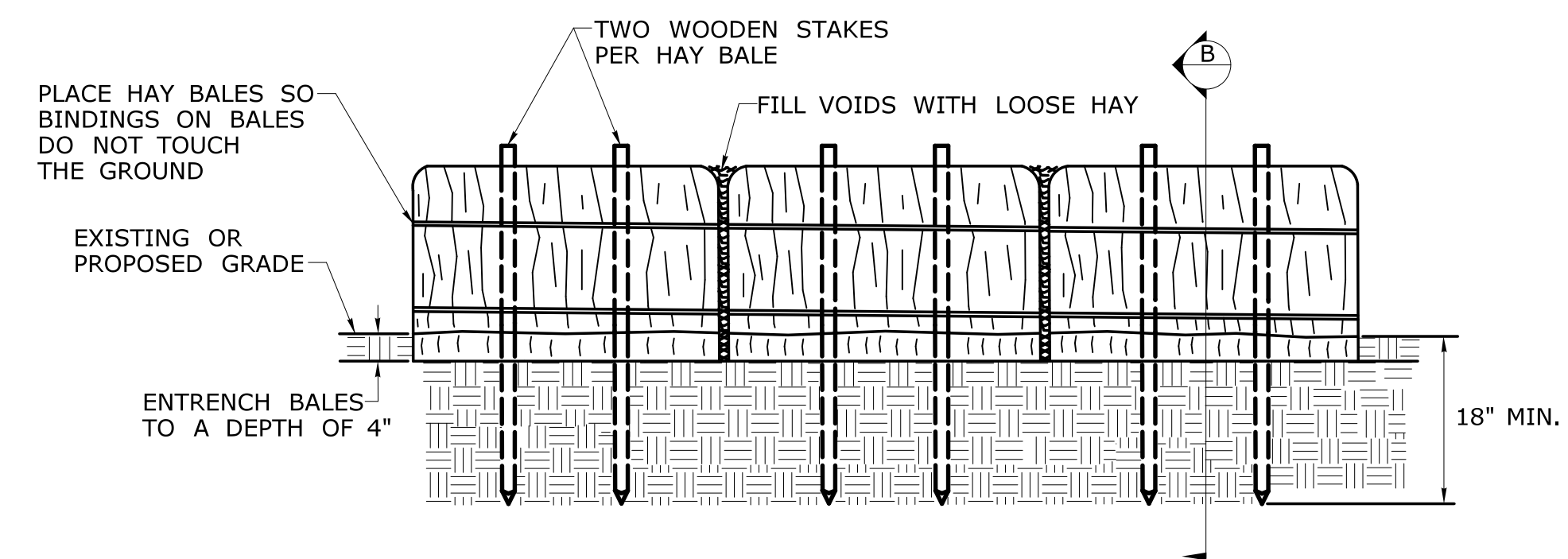


**SEDIMENTATION CONTROL SYSTEM**

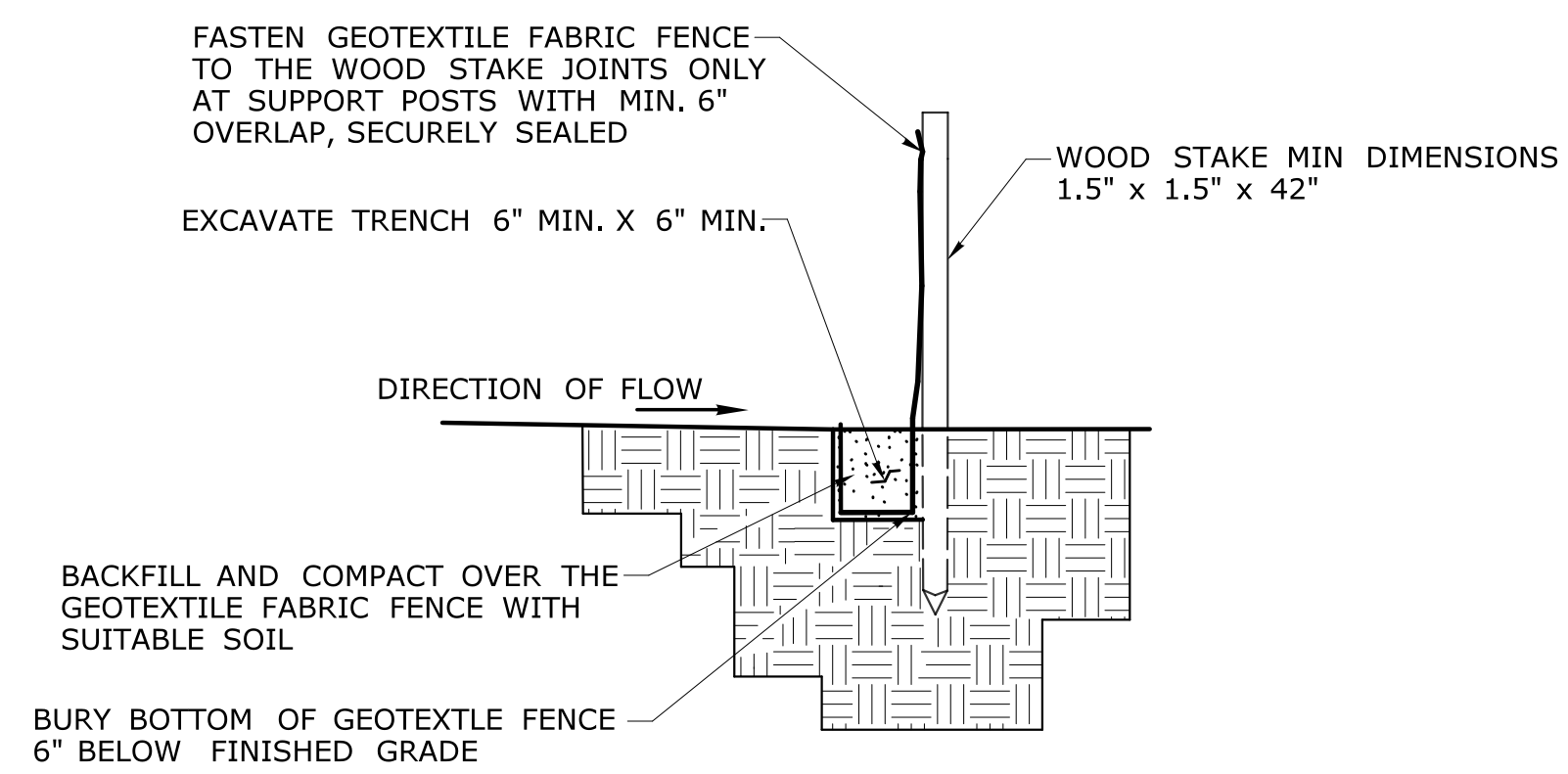


**ELEVATION**

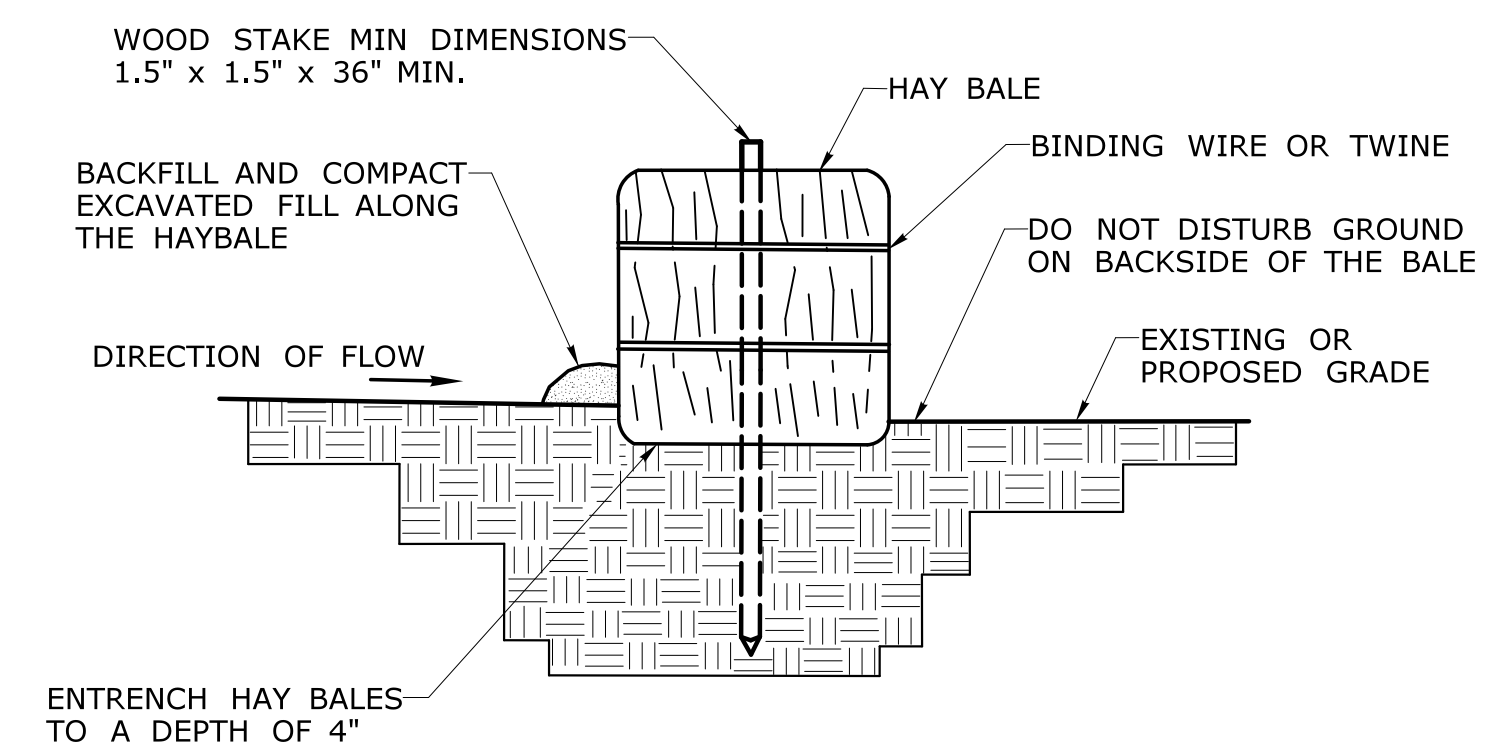
\* FOR SLOPES STEEPER THAN 2:1 USE A 5' POST SPACING OR AS DIRECTED BY THE ENGINEER



**ELEVATION**



**SECTION A**

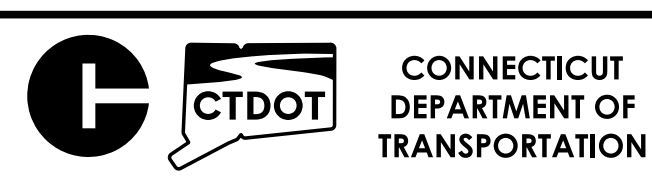


**SECTION B**

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
 M Mott MacDonald  
 175 Canal Street  
 4th Floor  
 Rocky Hill, CT 06067

DESIGNER/DRAFTER: MOTT MACDONALD  
 CHECKED BY:



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

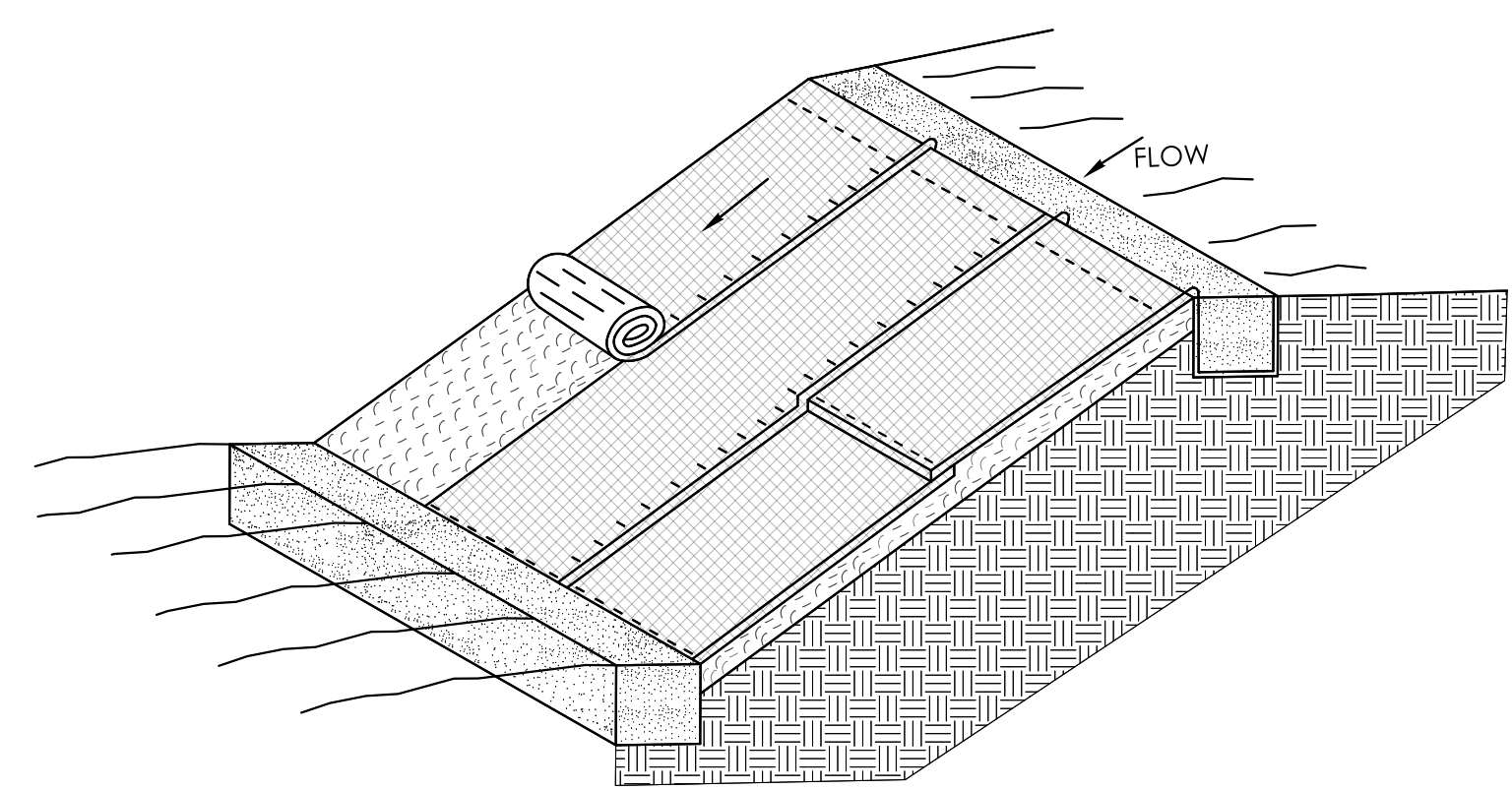
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PROJECT NO.:  
**0141-0158**

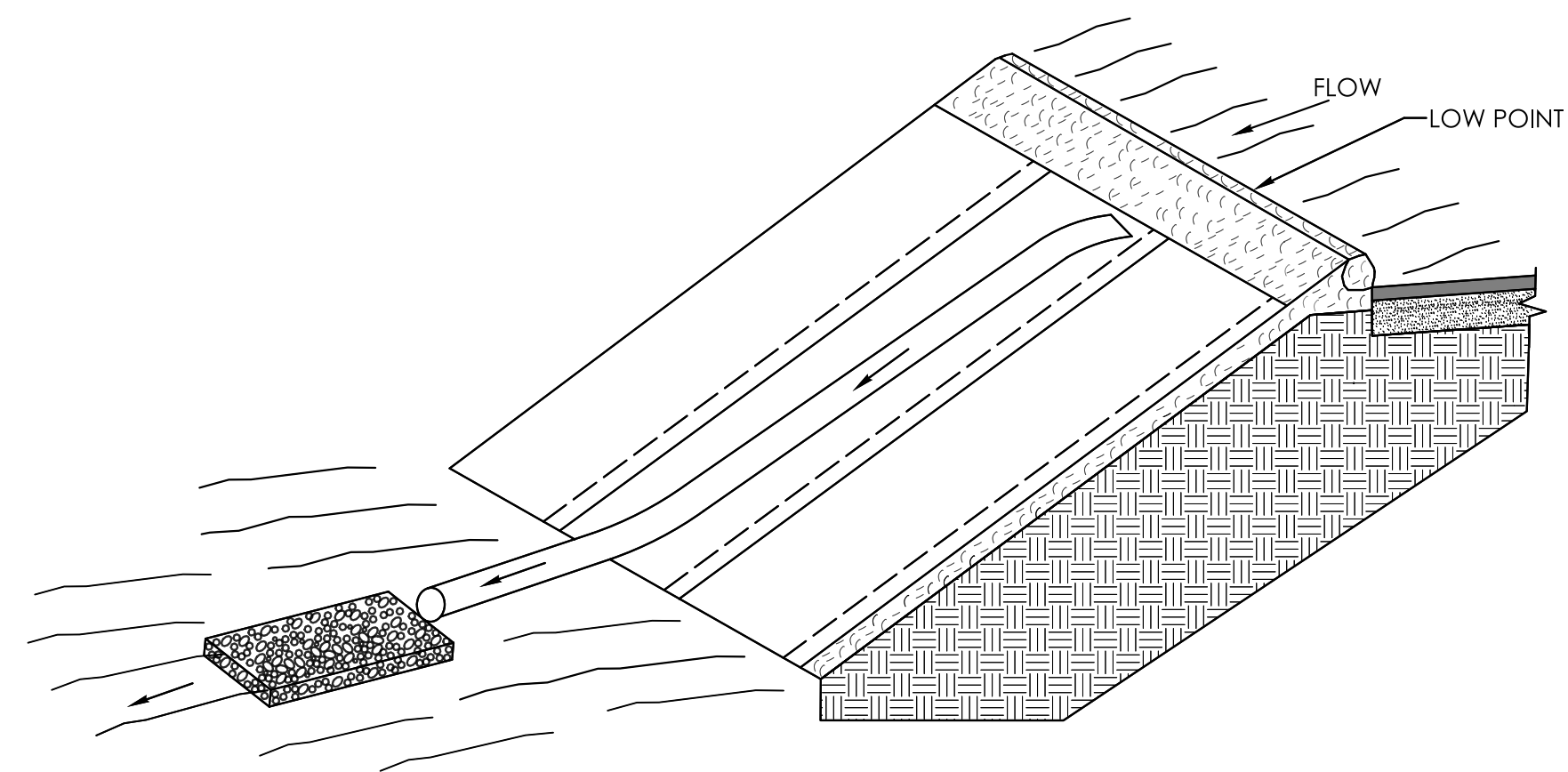
DRAWING NO.:  
**MDS-03**

SHEET NO.:  
 03.38

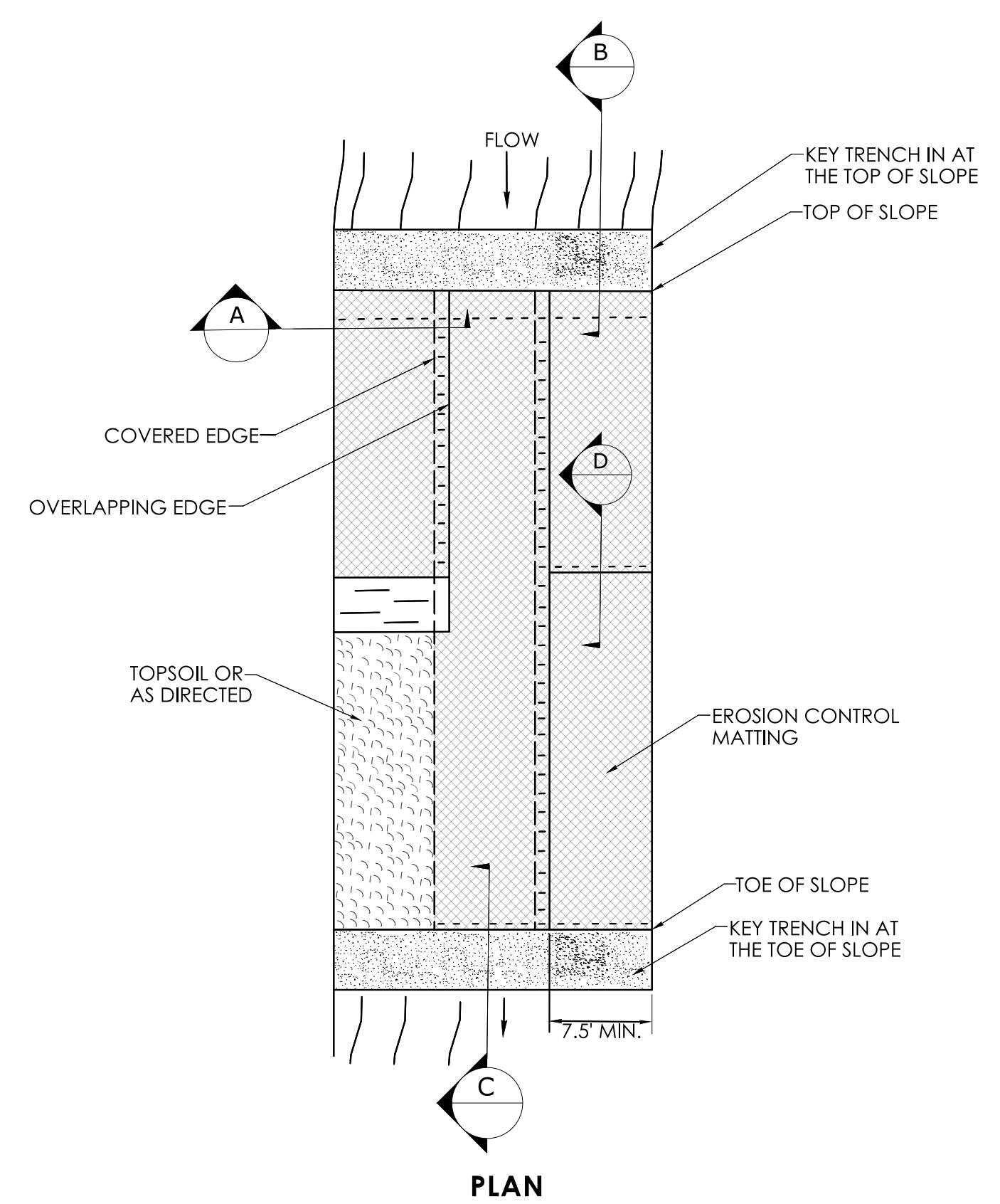
**GENERAL NOTE:**  
 1. USE THE MINIMUM DIMENSIONS SHOWN OR AS RECOMMENDED BY THE MANUFACTURER



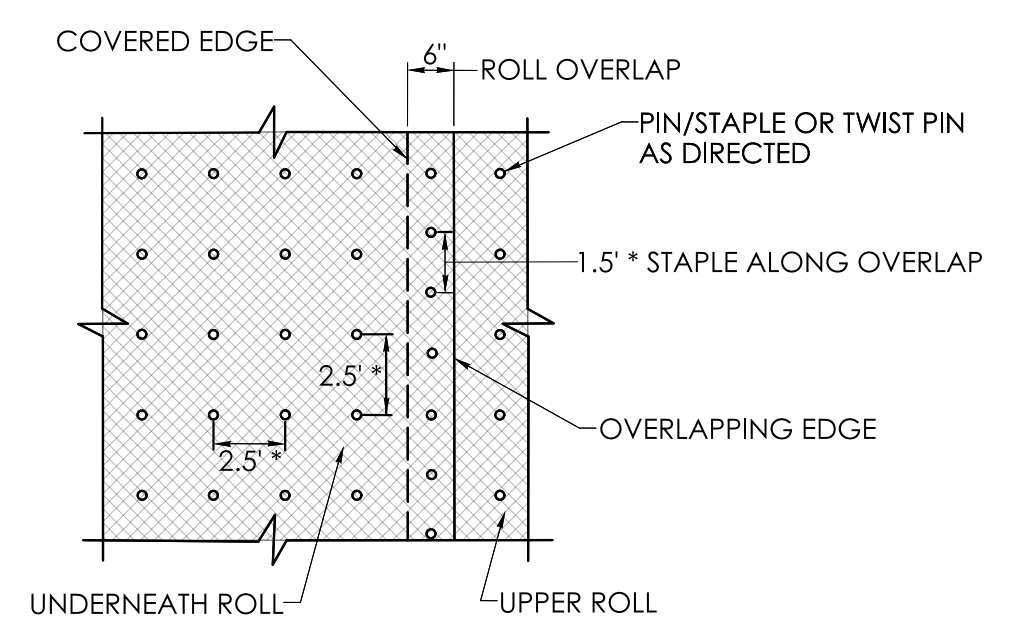
**TYPICAL EROSION CONTROL MATTING**



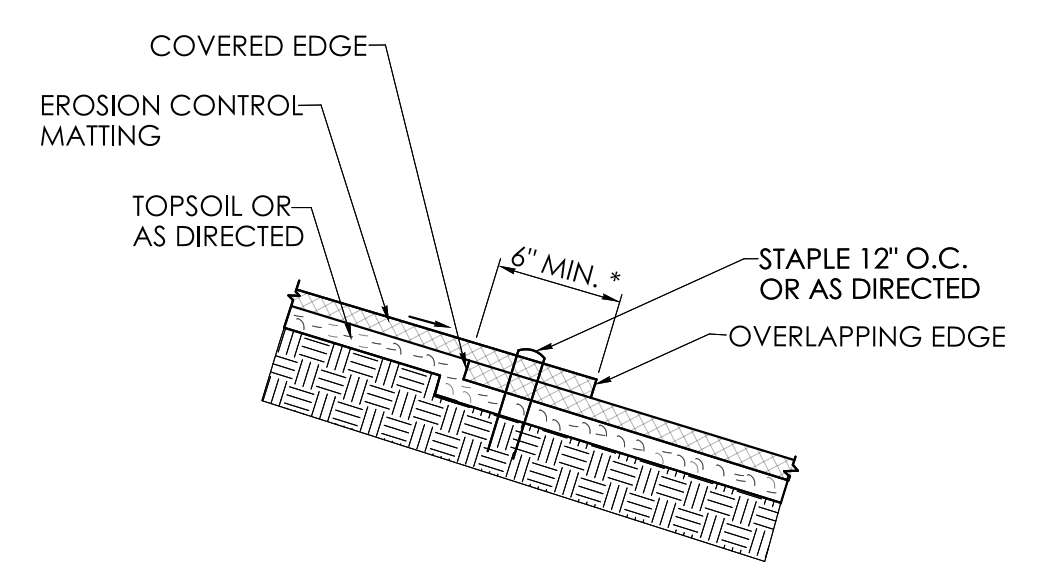
**TEMPORARY SLOPE DRAIN**



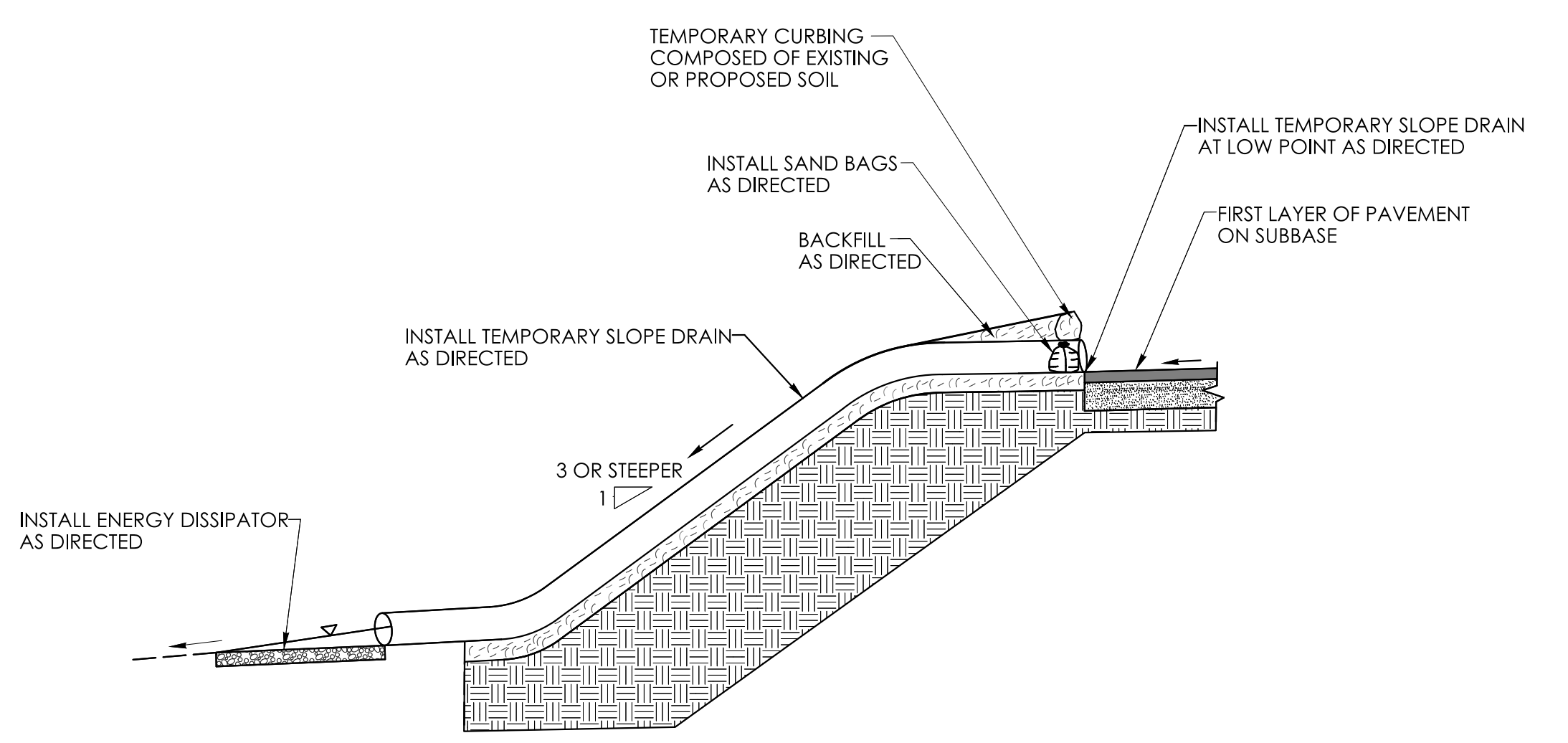
**PLAN**



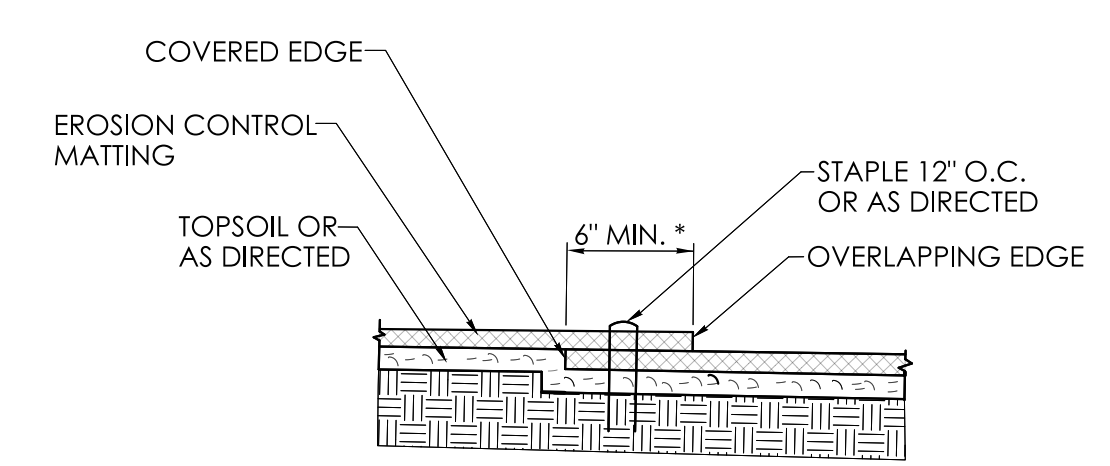
**STAPLE PATTERN**  
 \* SEE NOTE 1



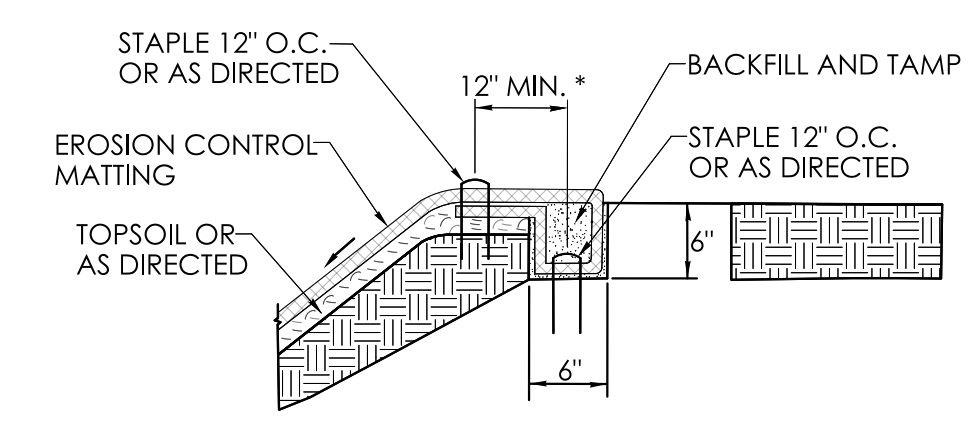
**SECTION D**



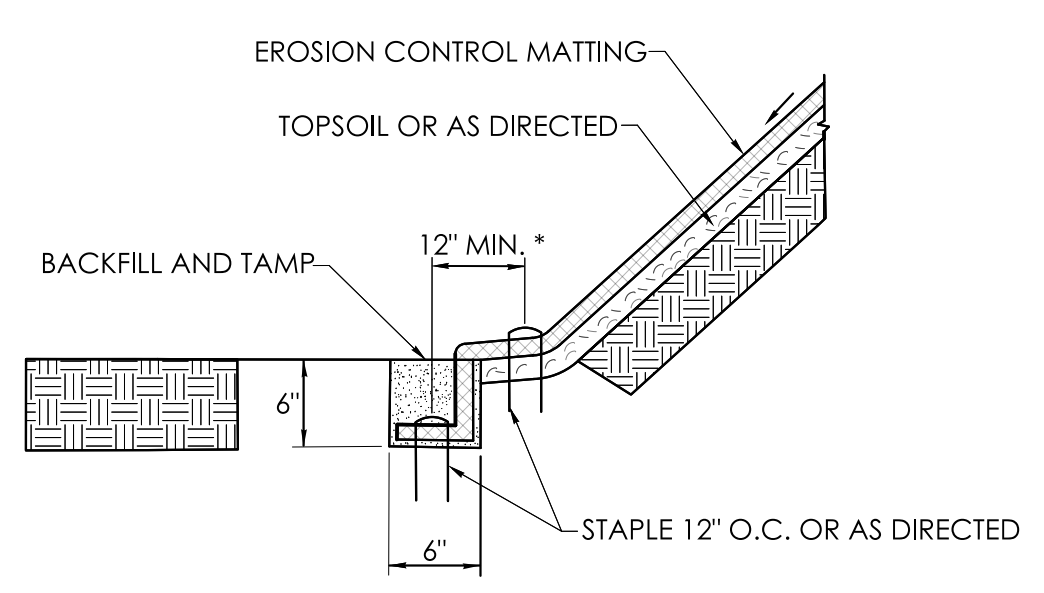
**SECTION**



**SECTION A**



**SECTION B**



**SECTION C**

**KEY IN TRENCH AT TOP OF SLOPE**  
 \* SEE NOTE 1

**KEY TRENCH AT TOE OF SLOPE**

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
 DESIGNER/DRAFTER: MOTT MACDONALD  
 CHECKED BY: MOTT MACDONALD

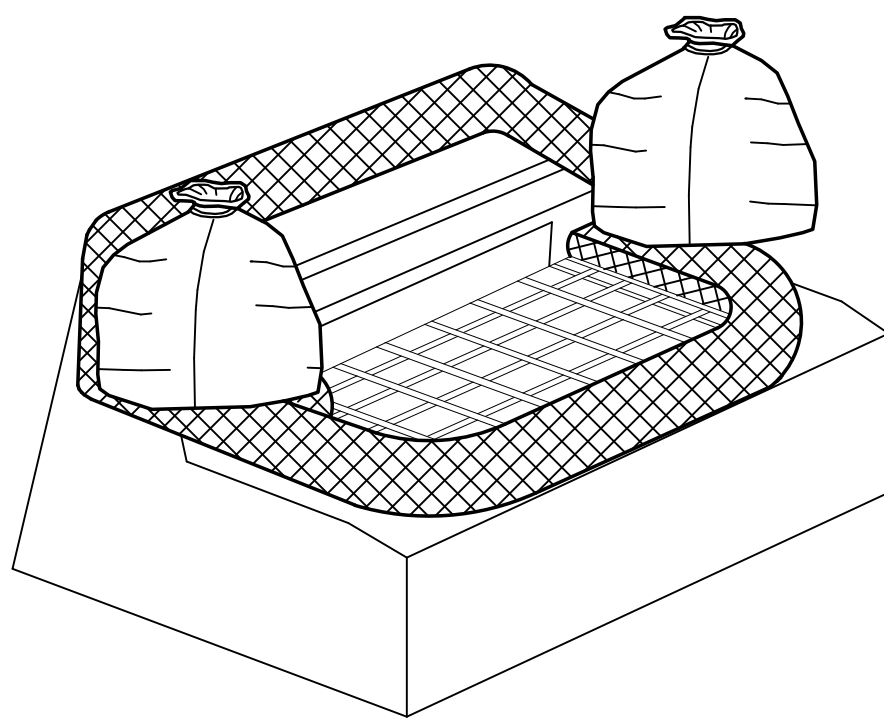


PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

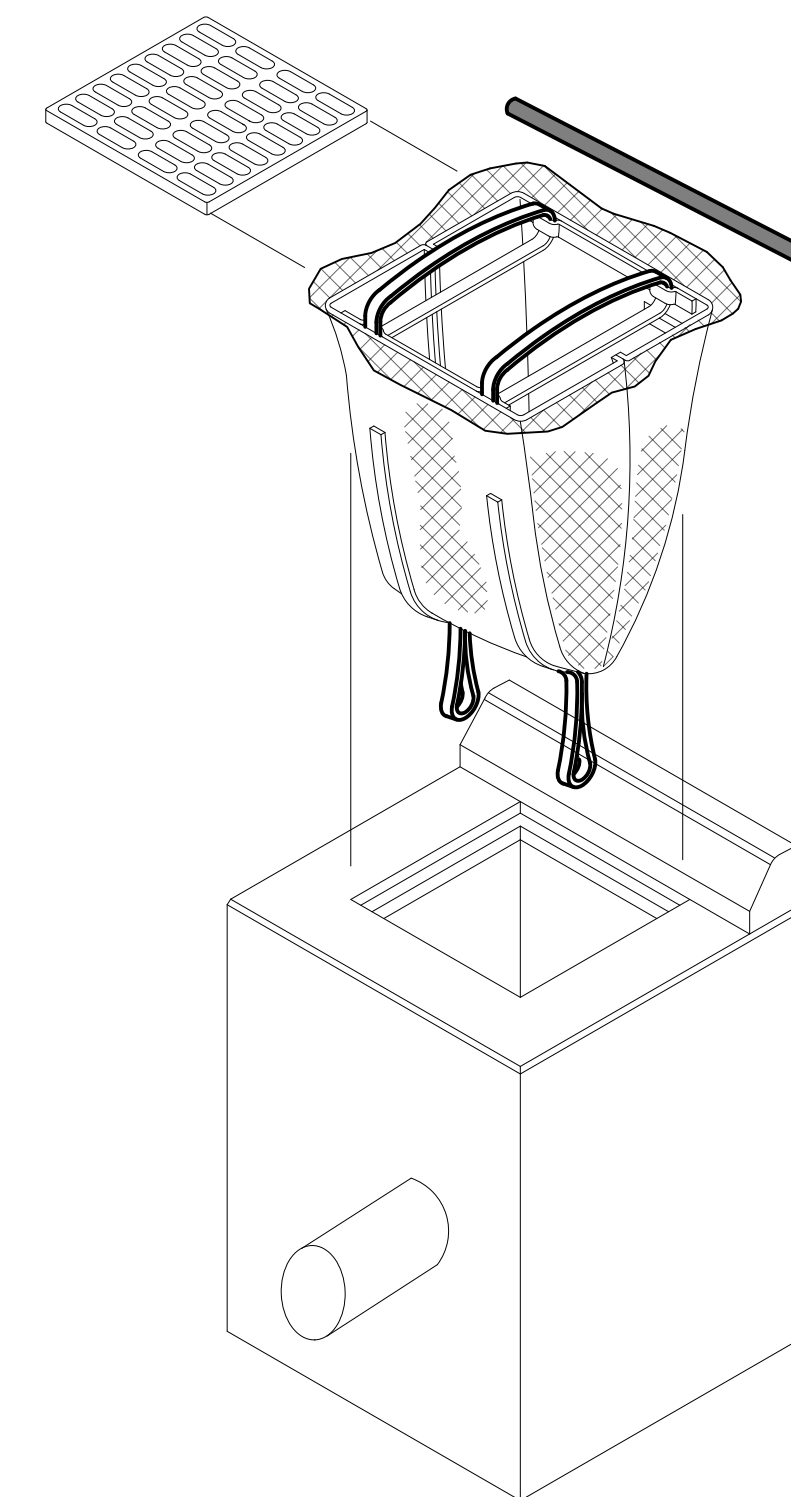
DRAWING TITLE:  
**EROSION CONTROL MATTING AND TEMPORARY SLOPE DRAIN**

PROJECT NO.: **0141-0158**  
 DRAWING NO.: **MDS-04**  
 SHEET NO.: **03.39**



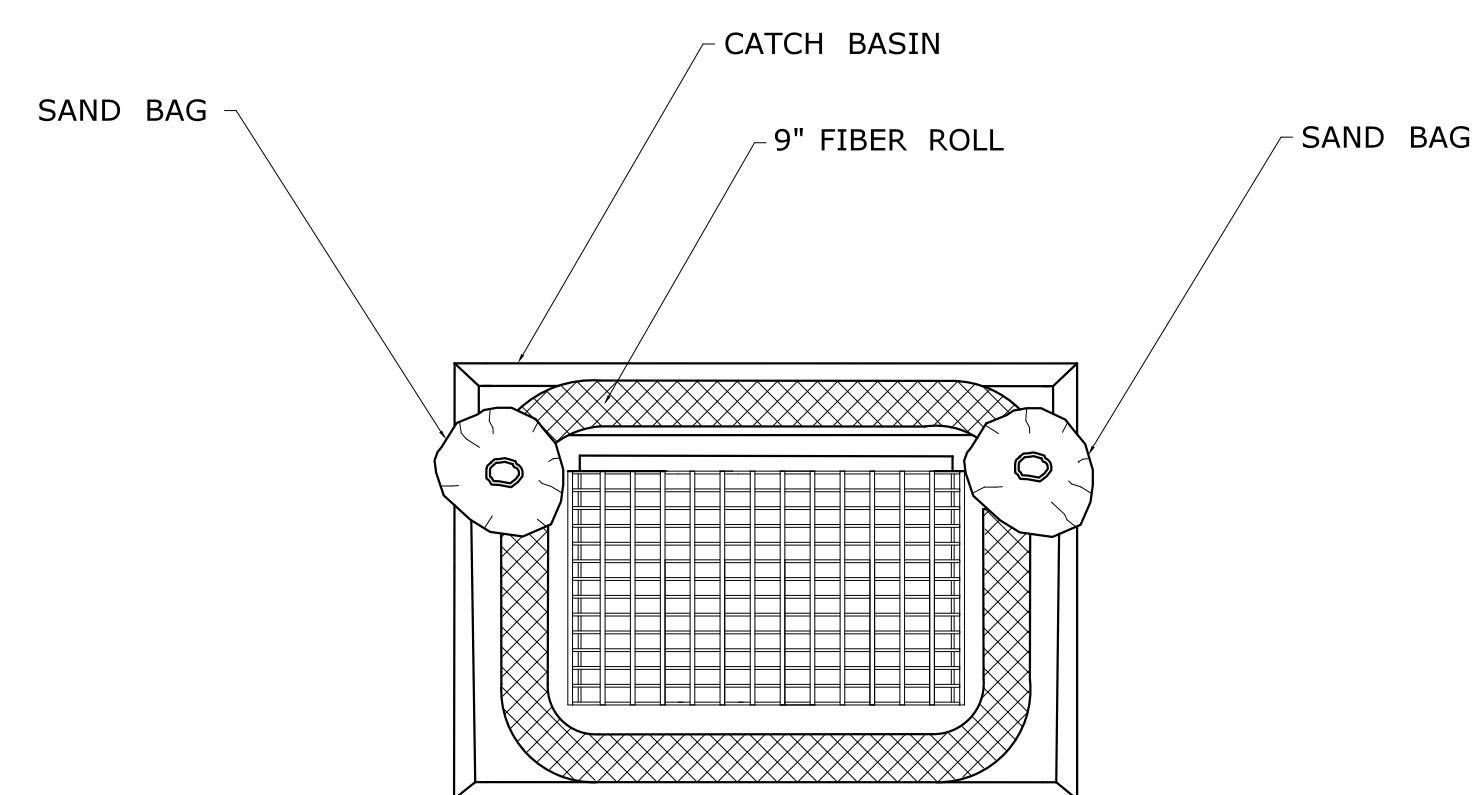
**FIBER ROLL AROUND  
TYPE "C" OR "C-L" CATCH BASIN TOP**

NOTE: THIS ITEM WILL BE MEASURED BY EACH SEDIMENT CONTROL SYSTEM AT CATCH BASIN

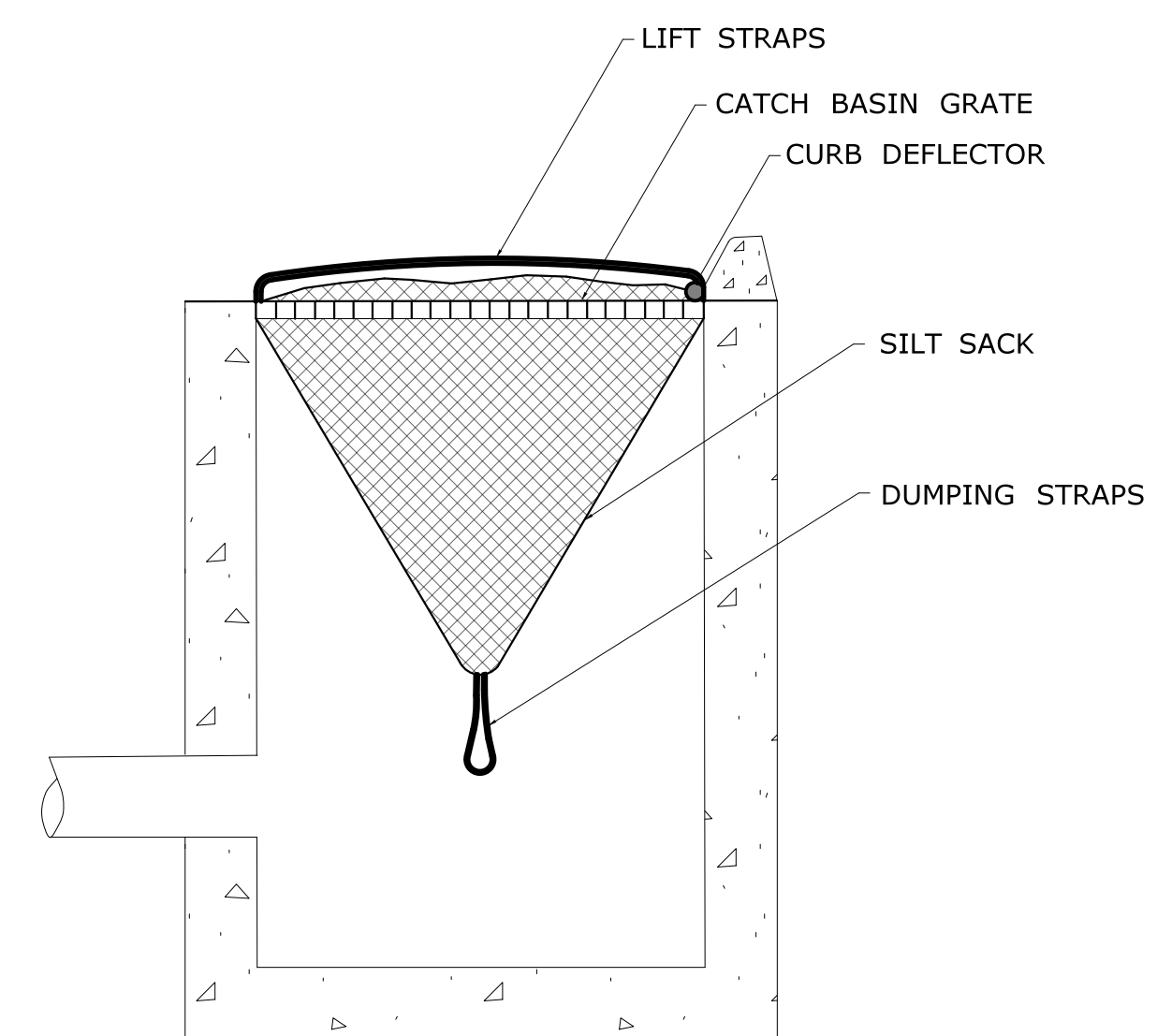


**INLET SEDIMENT CONTROL DEVICE  
AT TYPE "C" OR "C-L" CATCH BASIN**

NOTE: THIS ITEM WILL BE MEASURED BY EACH SEDIMENT CONTROL SYSTEM AT CATCH BASIN




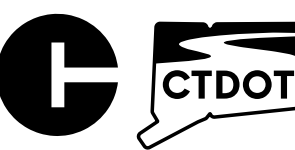
**PLAN**



**SECTION**

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
 Mott MacDonald  
 175 Canal Street  
 4th Floor  
 Rocky Hill, CT 06067  
 DESIGNER/DRAFTER: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

 CONNECTICUT  
 DEPARTMENT OF  
 TRANSPORTATION

PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER  
 INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

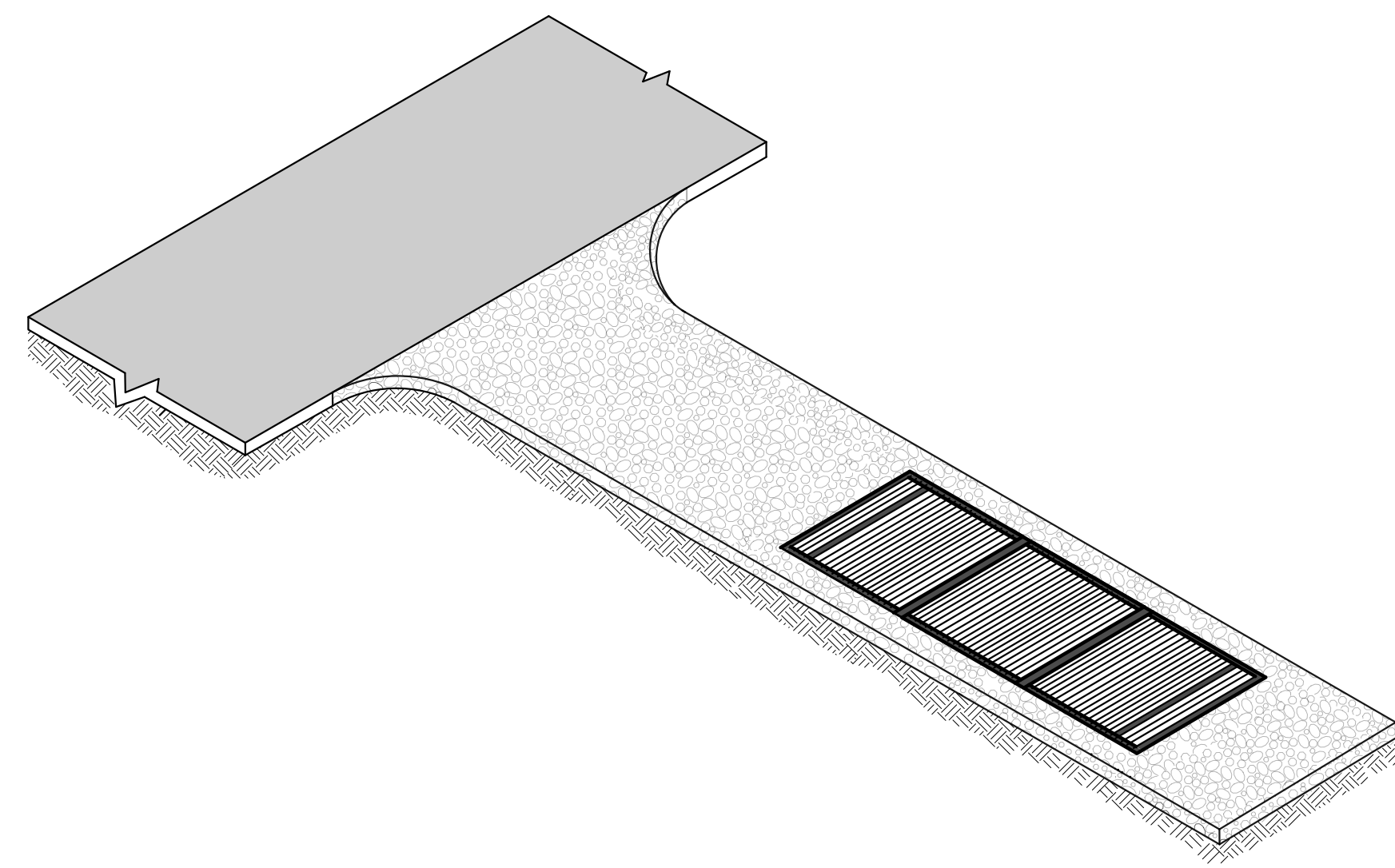
DRAWING TITLE:  
**EROSION CONTROL MEASURES AT  
 CATCH BASINS - FIBER ROLL  
 AND SILT SACK**

PROJECT NO.:  
**0141-0158**

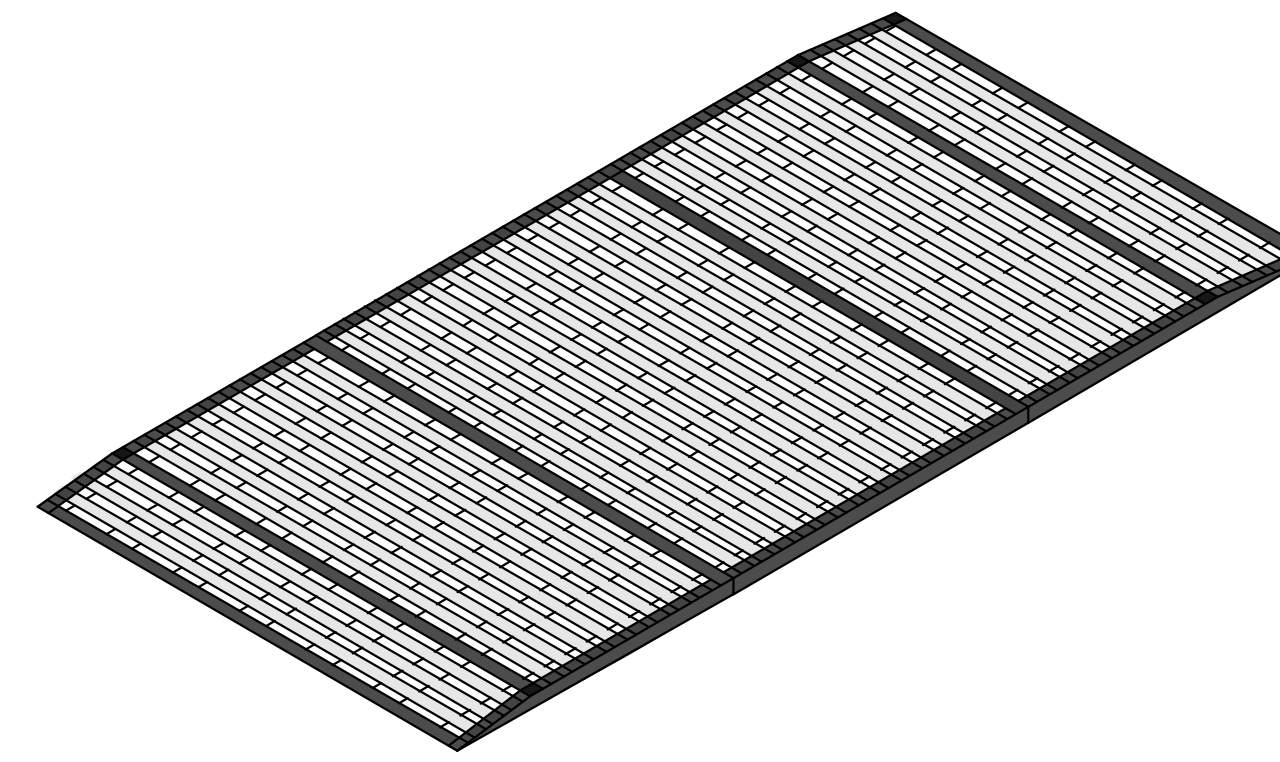
DRAWING NO.:  
**MDS-05**  
 SHEET NO.: 03.40

**GENERAL NOTE**

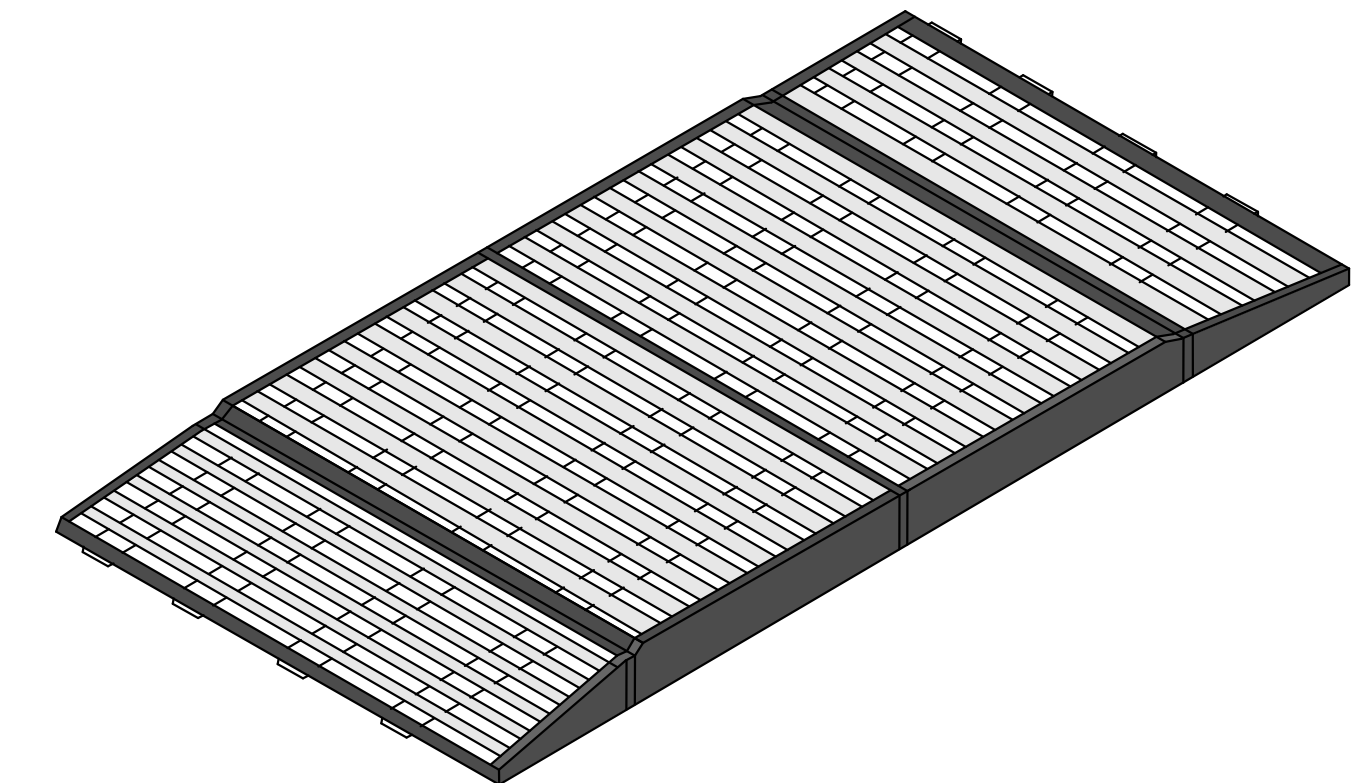
1. THE CONTRACTOR SHALL CREATE A CROSS SLOPE FOR THE CONSTRUCTION ENTRANCE AND THE ANTI-TRACKING PAD TO ENCOURAGE STORMWATER INFILTRATION.



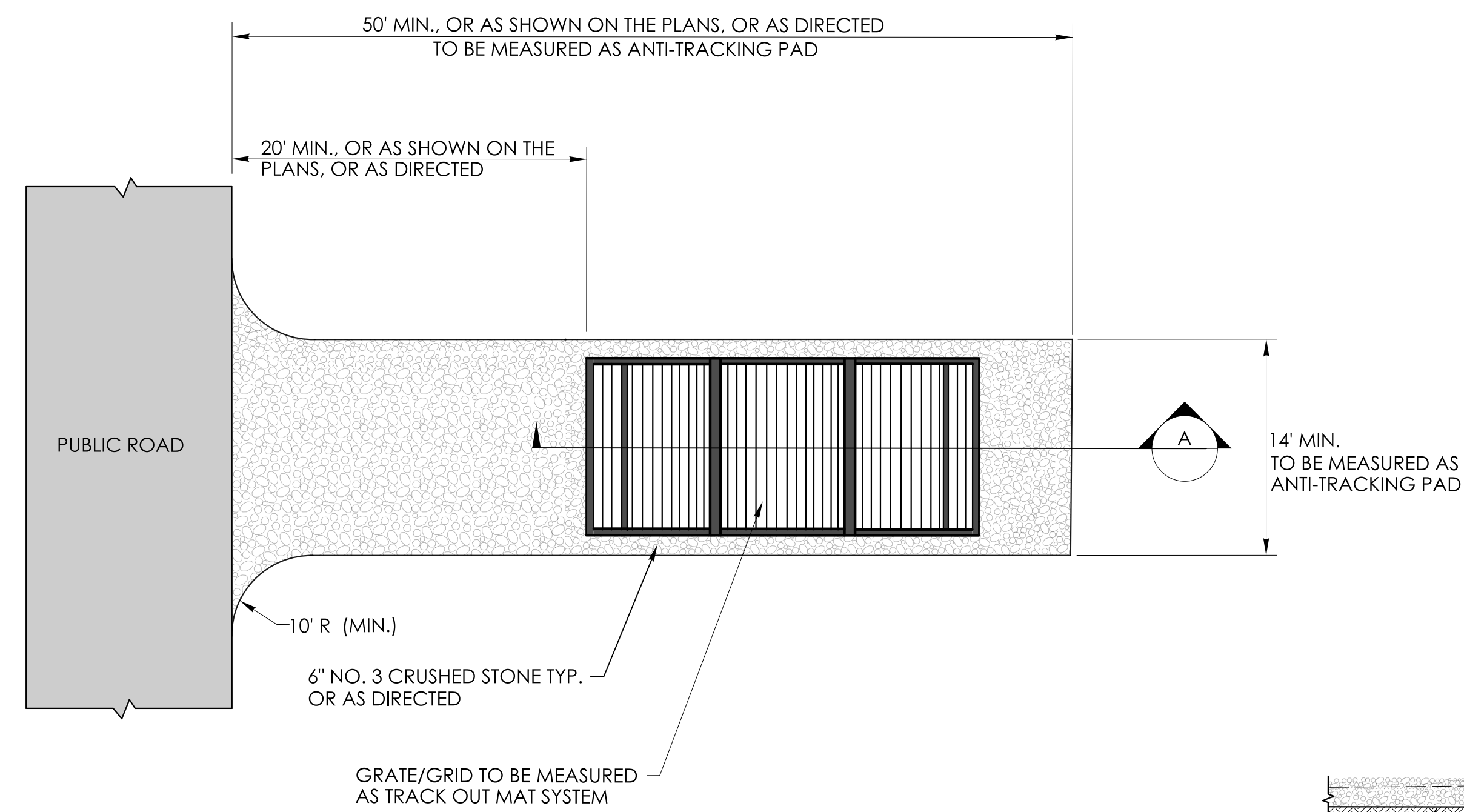
**ANTI-TRACKING PAD WITH TRACK OUT MAT SYSTEM**



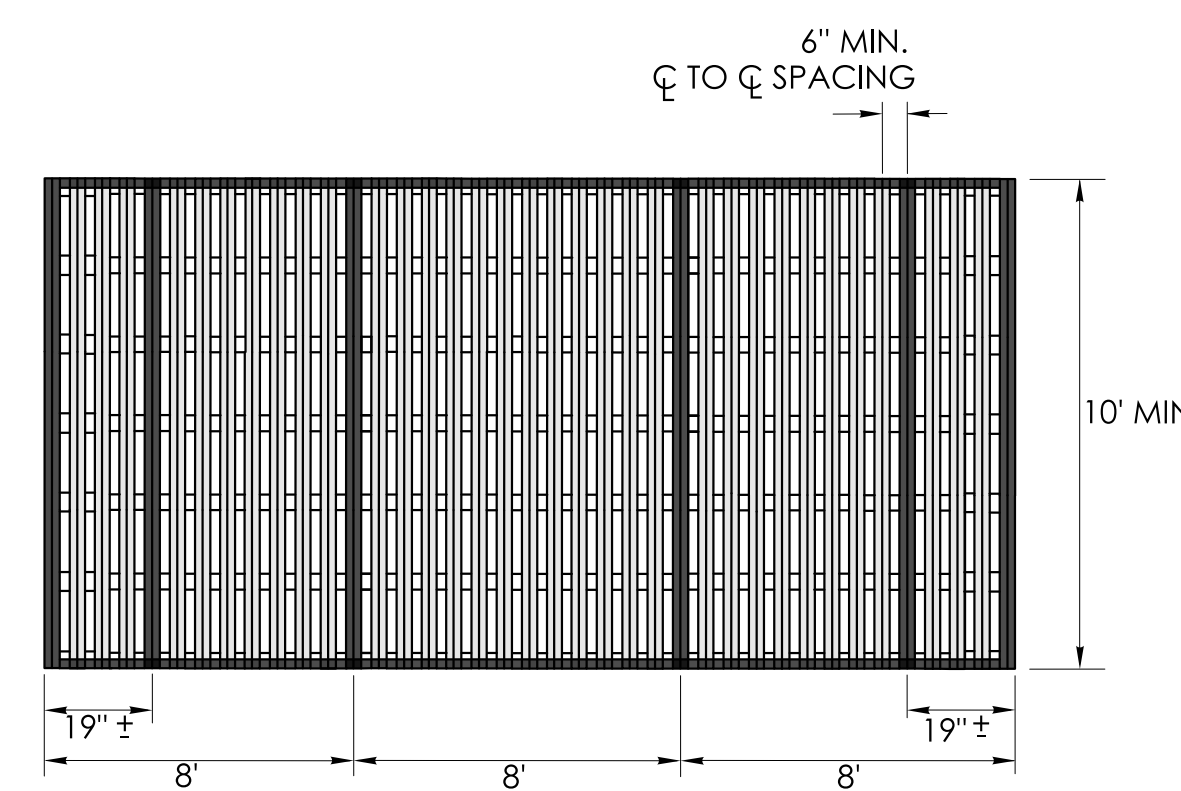
**RUMBLE GRATE SYSTEM**



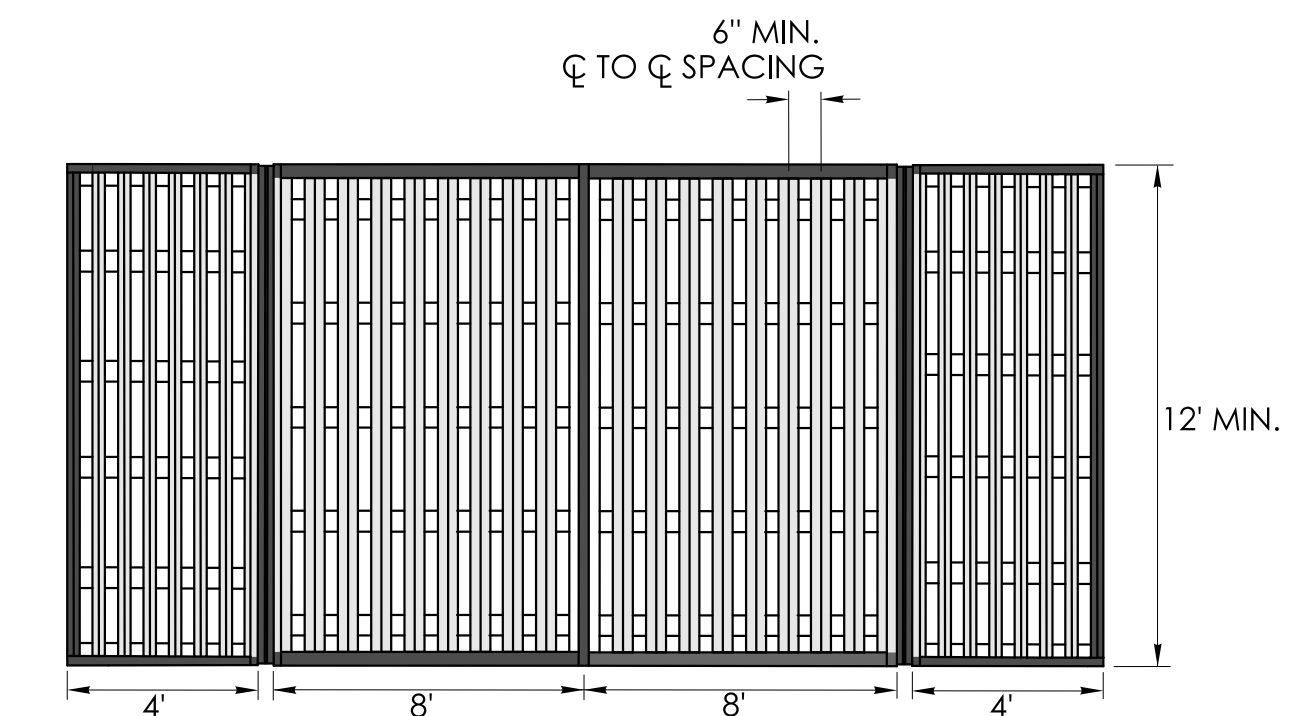
**EXIT GRID SYSTEM**



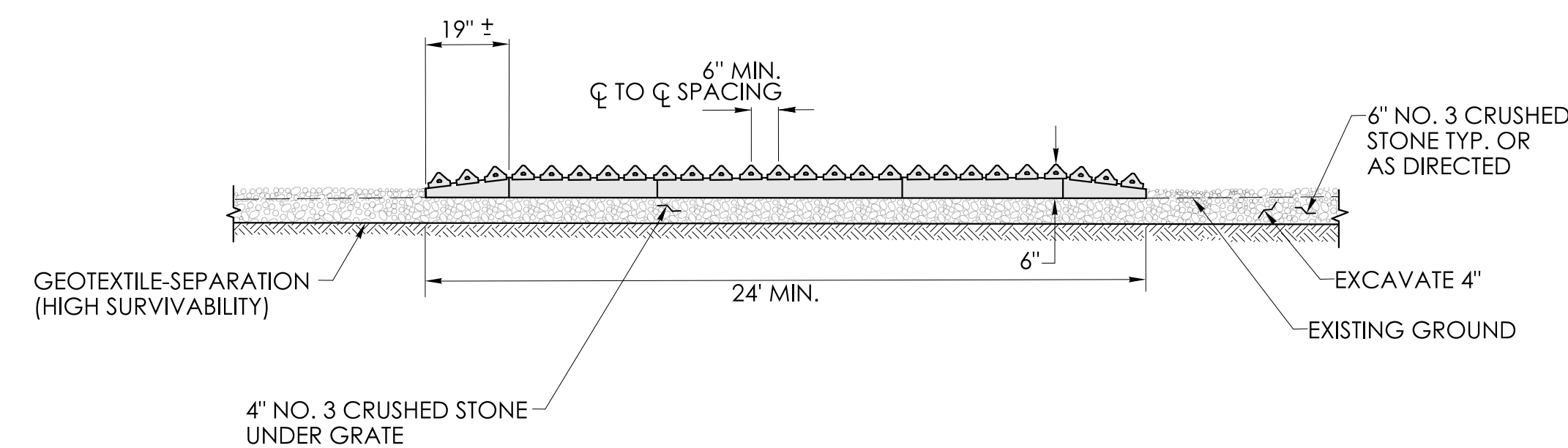
**PLAN**



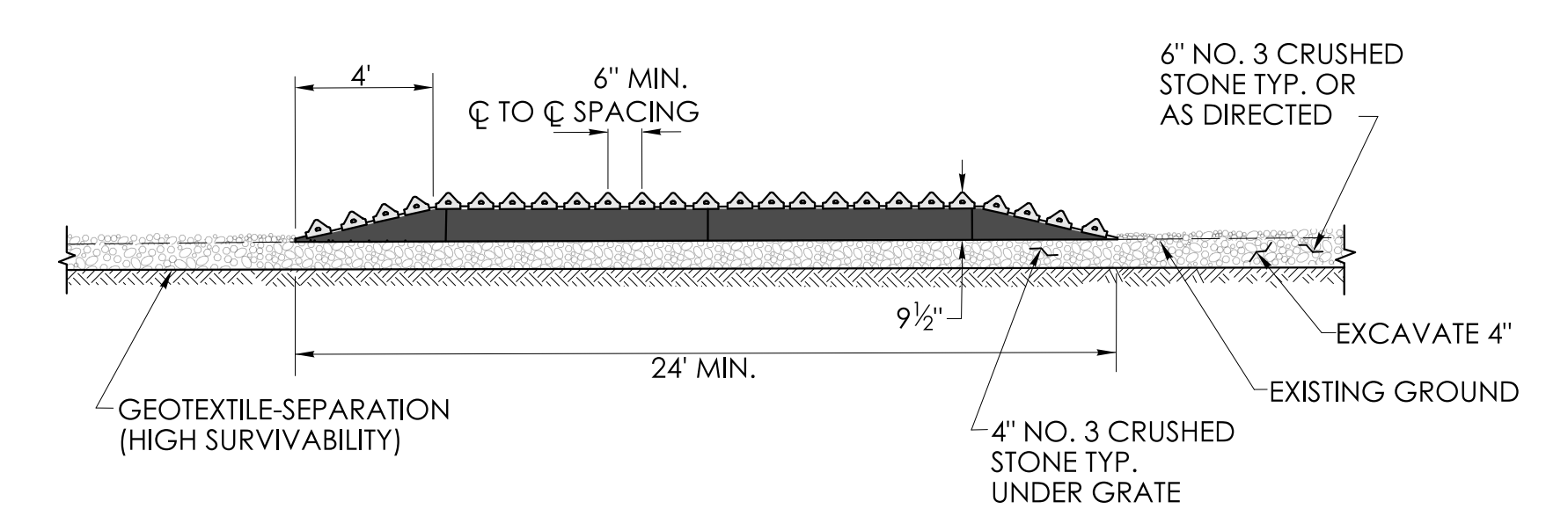
**RUMBLE GRATE SYSTEM PLAN**



**EXIT GRID SYSTEM PLAN**



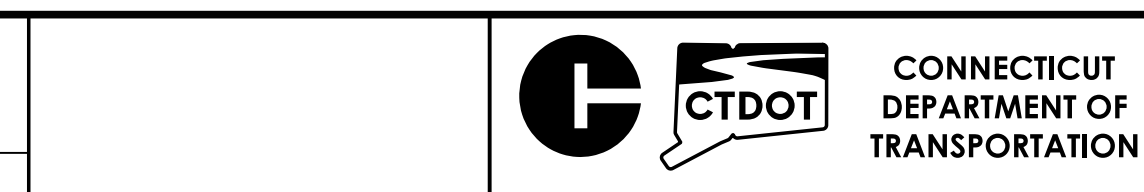
**RUMBLE GRATE SYSTEM SECTION A**



**EXIT GRID SYSTEM SECTION A**

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SIGNATURE BLOCK:  
 DESIGNER/DRAFTER: MOTT MACDONALD  
 CHECKED BY: MOTT MACDONALD

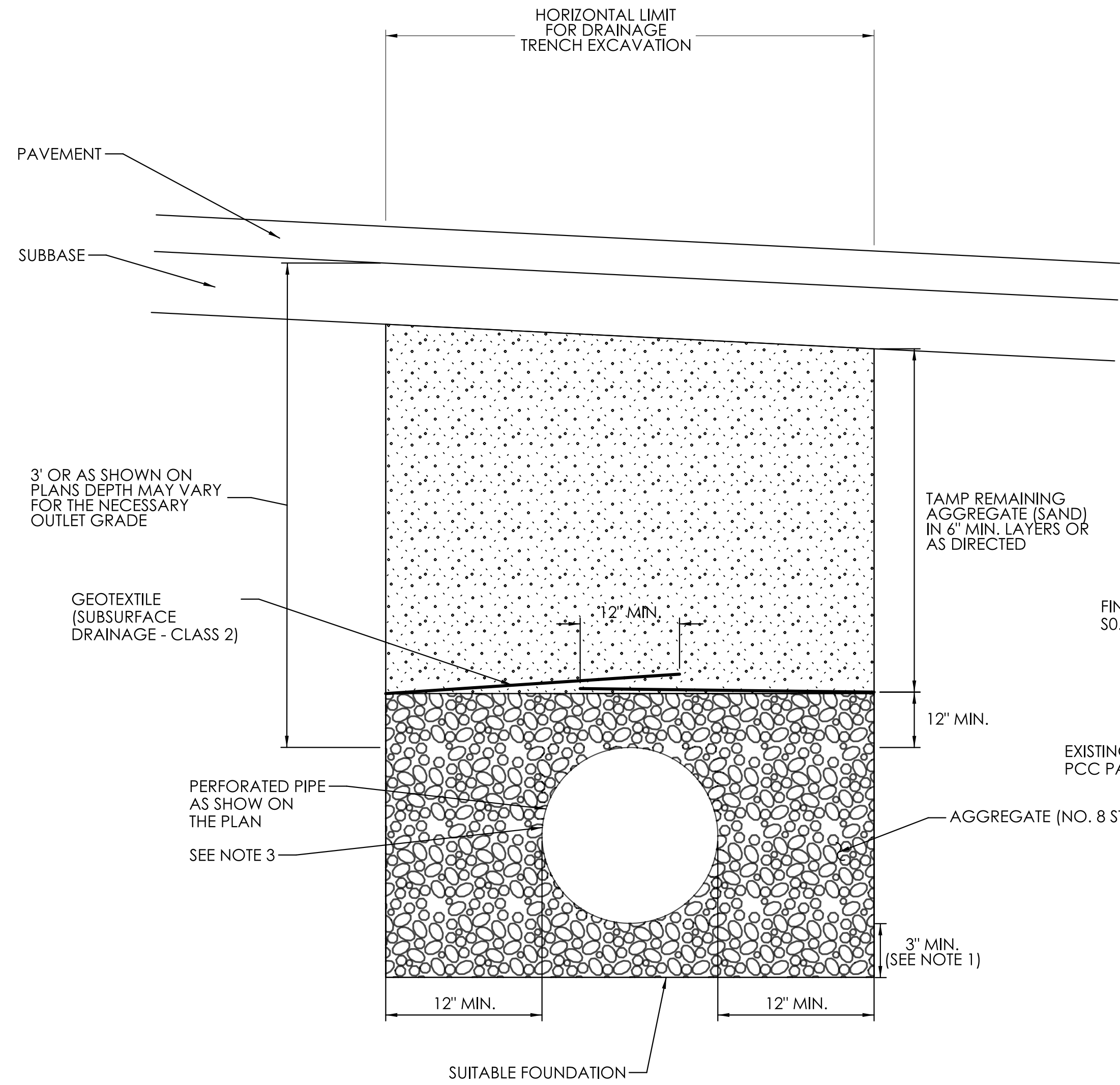


PROJECT TITLE:  
**REPLACEMENT OF BRIDGE No. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**TRACK OUT MAT SYSTEM AND ANTI-TRACKING PAD**

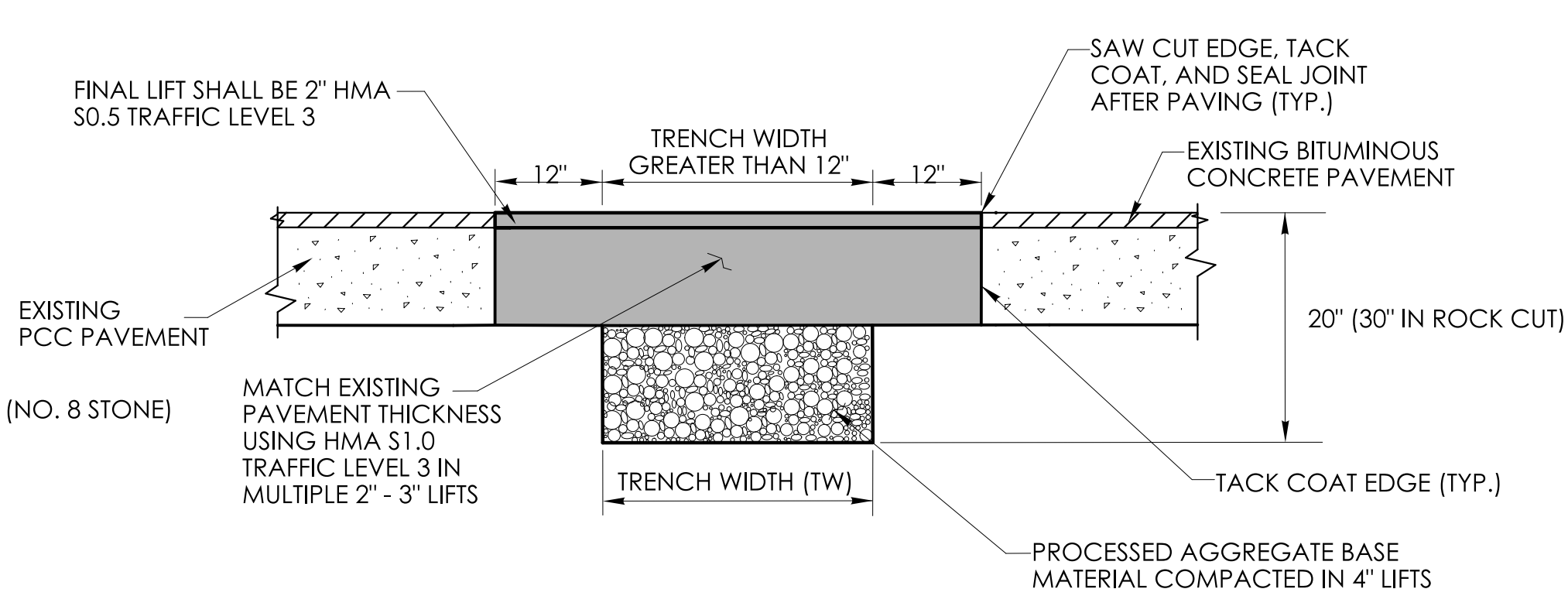
PROJECT NO.:  
**0141-0158**  
 DRAWING NO.:  
**MDS-06**  
 SHEET NO.:  
 03.41



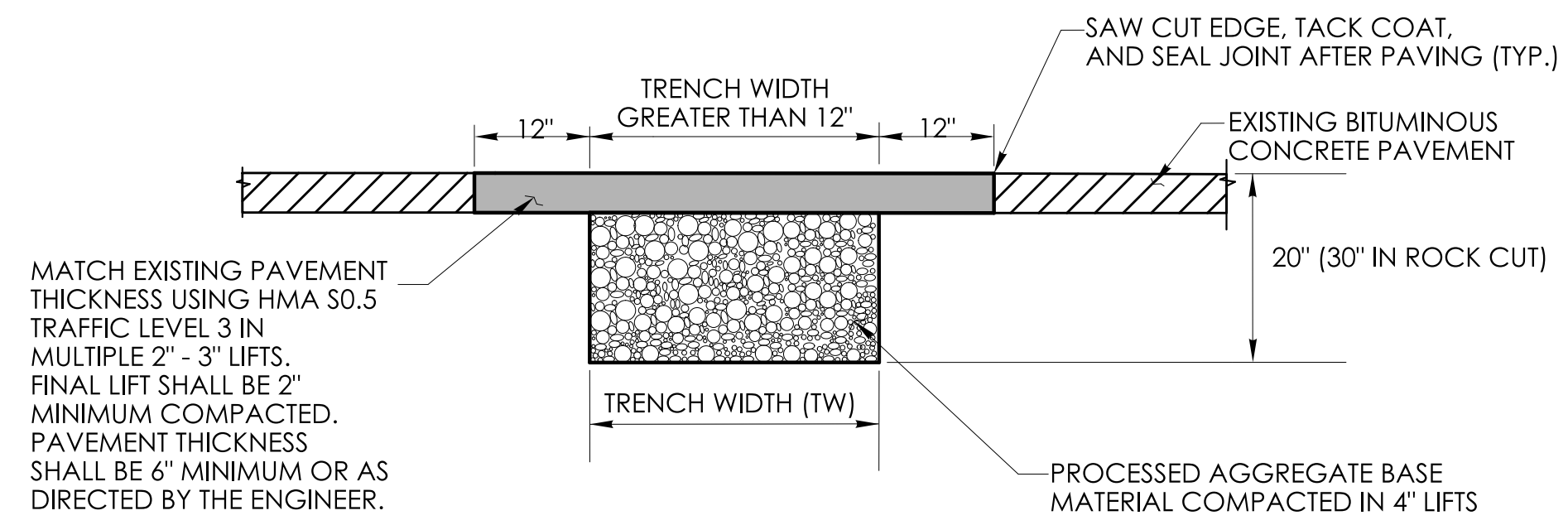
**NOTES:**

1. INCREASE TO 6" WHERE BOTTOM IS IN ROCK OR IS UNSTABLE AS DIRECTED BY ENGINEER.
2. PERFORATED PIPE DETAIL APPLIES TO ITEM NO. 0686250.06A - 6" HIGH DENSITY POLYETHYLENE PIPE - PERFORATED (SMOOTH INTERIOR) - 0' - 10' DEEP AND ITEM NO. 0686252.15A - 15" RCP - PERFORATED - 0' - 10' DEEP.
3. IF PERFORATIONS ON PIPE ARE LARGER THAN THE AGGREGATE STONE SIZE THEN PIPE SHALL BE WRAPPED IN GEOTEXTILE (SUBSURFACE DRAINAGE - CLASS 2).

**PERFORATED PIPE**



**PERMANENT PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")**



**PERMANENT PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE**

**GENERAL NOTES:**

**1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT:**

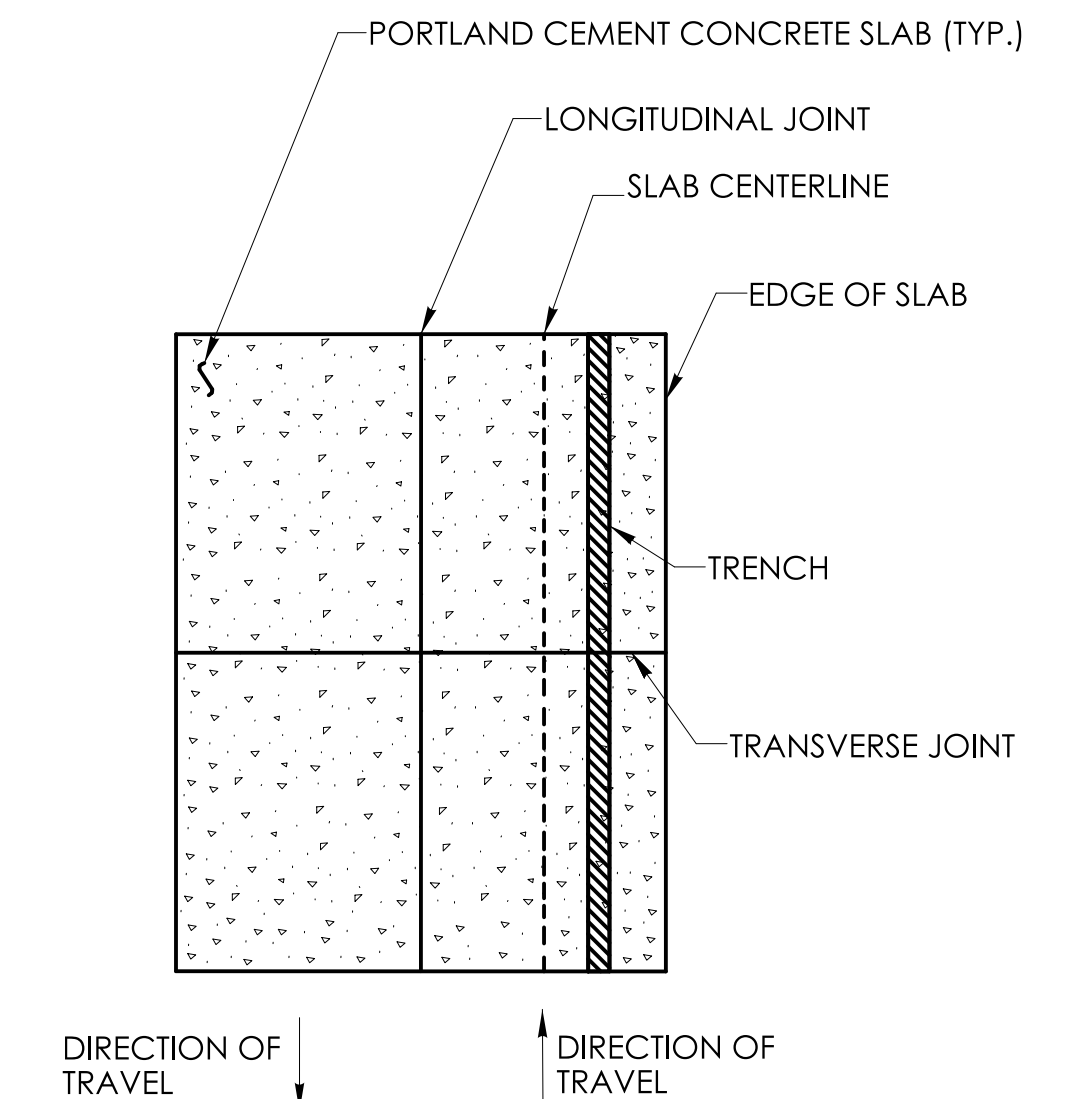
- A. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE SLAB CENTERLINE AND THE EDGE OF SLAB, REMOVE CONCRETE AND BITUMINOUS CONCRETE PAVEMENT FROM THE TRENCH EDGE TO THE EDGE OF ROAD. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE LONGITUDINAL JOINT AND THE SLAB CENTERLINE, REMOVE THE ENTIRE CONCRETE SLAB AND BITUMINOUS CONCRETE PAVEMENT TO THE EDGE OF ROAD. IN EITHER CASE REBUILD WITH THE FOLLOWING:
- a. PLACE HMA S1.0 TRAFFIC LEVEL 3 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
  - b. PLACE HMA S0.5 TRAFFIC LEVEL 3 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

**2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:**

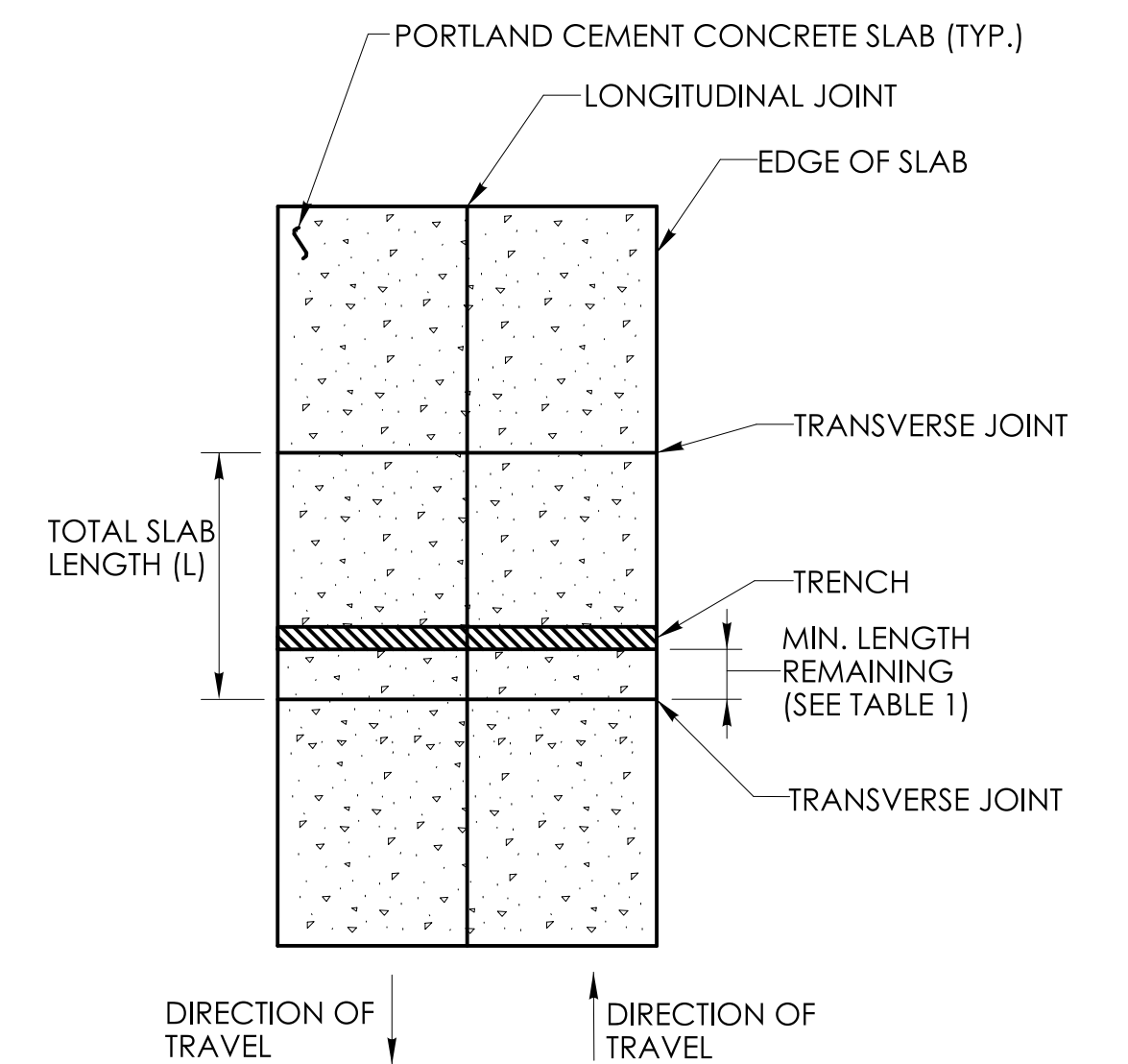
TABLE 1	
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING
40' OR LONGER	1/4 L
15' - 40'	10'
15' OR SHORTER	REBUILD TO NEAREST JOINT

- A. FOR TRANSVERSE TRENCHES, THE MINIMUM SLAB LENGTH AS SHOWN IN TABLE 1 SHALL BE LEFT IN PLACE TO THE NEAREST TRANSVERSE JOINT. IF THIS CRITERIA CANNOT BE MET, THE EXISTING SLAB AREA FROM THE TRENCH EDGE TO THE NEAREST TRANSVERSE JOINT SHALL BE REMOVED AND REBUILT AS FOLLOWS:

- a. PLACE HMA S1.0 TRAFFIC LEVEL 3 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
- b. PLACE HMA S0.5 TRAFFIC LEVEL 3 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"



**LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT (SEE NOTE 1)**



**TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT (SEE NOTE 2)**

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
 DESIGNER/DRAFTER: KAO  
 CHECKED BY: KLM

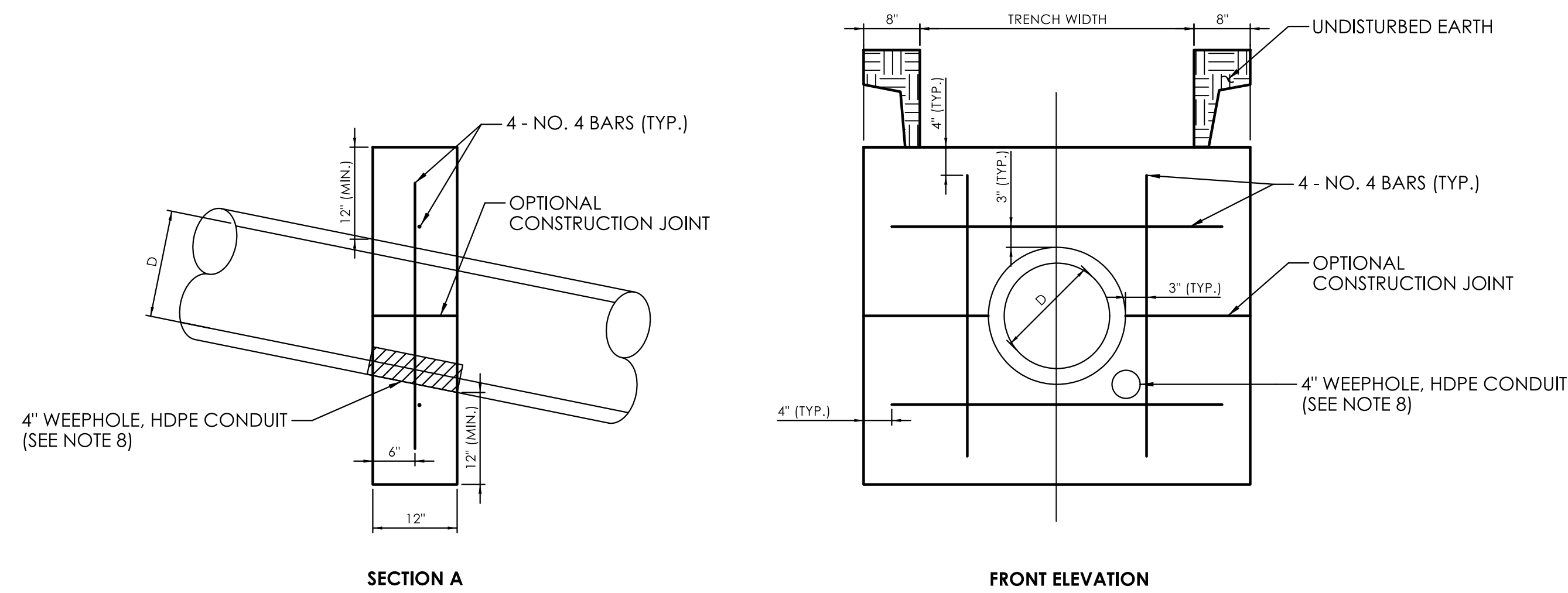
NOT TO SCALE  
 CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:  
**REPLACEMENT OF BRIDGE NO. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**PERFORATED PIPE TRENCHING AND PAVEMENT REPAIR**

PROJECT NO.:  
**0141-0158**  
 DRAWING NO.:  
**MDS-07**  
 SHEET NO.:  
**03.42**




**NOTES:**

1. ALL BARS ARE NO. 4 BARS.
2. CONCRETE SHALL BE CLASS PCC04460.
3. ANCHORS SHALL BE CONSTRUCTED AGAINST UNDISTURBED SOIL.
4. ANCHORS SHALL BE APPROXIMATELY EQUALLY SPACED ALONG THE LENGTH OF PIPE BETWEEN THE UP GRADIENT AND DOWN GRADIENT STRUCTURES, EXCEPT WHEN THE DOWN GRADIENT STRUCTURE IS A DRAINAGE PIPE END IN WHICH CASE THE FIRST ANCHOR SHALL BE CONSTRUCTED TWO FEET HORIZONTAL FROM THE DOWN GRADIENT PIPE END AND THE REMAINING ANCHORS SHALL BE EQUALLY SPACED FROM THAT ANCHOR AND THE UP GRADIENT STRUCTURE.
5. ANCHORS ON REINFORCED CONCRETE PIPE SHALL HAVE THEIR LOCATION ADJUSTED TO BE IMMEDIATELY DOWN GRADIENT OF A PIPE BELL.
6. MAX SLOPE OF 200% ALLOWED FOR THESE PIPE MATERIALS WITH NO JOINTS (ONE SECTION OF PIPE) IF STRUCTURES ARE PROVIDED AT EACH END AND THE PIPES ARE PROPERLY GROUTED OR OTHERWISE RESTRAINED TO THE STRUCTURES.
7. MINIMUM ANCHOR SPACING SHALL BE DECREASED IF A MORE CONSERVATIVE SPACING IS PROVIDED BY THE SUPPLIER, OR AS SPECIFIED BY THE ENGINEER.
8. ALTERNATE THE SIDE OF THE TRENCH THAT THE WEEP HOLE IS LOCATED WHEN MORE THAN ONE PIPE ANCHOR IS LOCATED ALONG A LENGTH OF PIPE.
9. AN ALTERNATE PIPE ANCHOR DESIGN FROM PIPE MANUFACTURER MAY BE PROPOSED FOR REVIEW BY ENGINEER.
10. ALL PIPE ANCHORS, REGARDLESS OF THE NUMBER REQUIRED OR THE NUMBER INSTALLED WILL NOT BE MEASURED FOR PAYMENT.

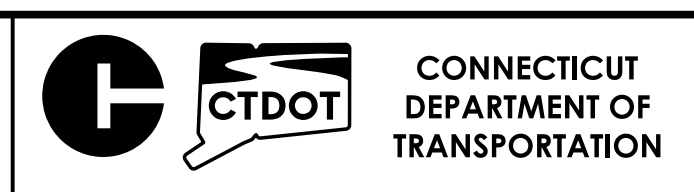
PIPE MATERIAL	PIPE SLOPE REQUIRING ANCHORS	MAX PIPE SLOPE ALLOWED	MINIMUM ANCHOR SPACING
REINFORCED CONCRETE PIPE	10%	20% (WITH JOINTS) 200% (SEE NOTE 6)	1 ANCHOR PER 50 L.F. OF PIPE
CORRUGATED METAL PIPE	20%	30%	1 ANCHOR PER 100 L.F. OF PIPE

**PIPE ANCHORS FOR STEEP PIPES**

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  
  
 DESIGNER/DRAFTER: KAO      CHECKED BY: KLM

NOT TO SCALE



PROJECT TITLE:  
**REPLACEMENT OF BRIDGE NO. 03474, ROUTE 200 OVER INTERSTATE 395**

TOWN(S):  
**TOWN OF THOMPSON**

DRAWING TITLE:  
**PIPE ANCHORS FOR STEEP PIPES**

PROJECT NO.:  
**0141-0158**

DRAWING NO.:  
**MDS-08**  
 SHEET NO.:  
 03.43